Roads and Traffic Authority

Trip Generation and Parking Generation Surveys

Bulky Goods / Hardware Stores

Data Report

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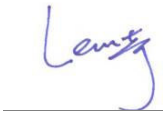
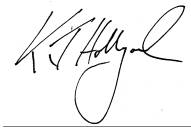
Author	Jacky Leung	
Checker	Ken Hollyoak	
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Report No F0002-AA002363-AAR-02

Date 19 May 2009

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1 INTRODUCTION

This document accompanies the analysis report (Report Number F0001-AA002363-AAR-01). It contains details of the sites used in the study and also details of the surveys themselves.

It also contains a note on the calculation of accessibility scores.

2 SURVEY SITE DETAILS

A total of six bulky goods shops and nine hardware / DIY stores had surveys undertaken. The details of the site are shown in the following sections:

Table 2-1 Survey Site List

Site ID	Name
HW1	Bunnings at North Parramatta
HW2	Bunnings at Bankstown Airport
HW3	Mitre10 at Windsor
HW4	Bunnings at Minchinbury
HW5	Mitre10 at Narellan
HW6	Mitre10 at Morisset
HW7	Mitre10 at Picton
HW8	Bunnings at South Nowra
HW9	Mitre10 at Orange
BG1	Freedom/Sleepcity at Balgowlah
BG2	Harvey Norman at Auburn
BG3	Retravision at Springwood
BG4	Domayne at Kotara
BG5	Bing Lee at Warilla
BG6	Fantastic Furniture at South Nowra

2.1 Site Locations

Figure 2-1 Site Locations – Sydney Metropolitan Area

Figure 2-2 Site Locations – NSW Country Area

2.2 Site Details

2.2.1 HW1 – Bunnings at North Parramatta

Table 2-2 HW1- Site Details

Site ID	HW1
Name	Bunnings
Address	Cnr Windsor Rd & James Ruse Drv
Suburb	North Parramatta 2152
Region	Sydney
Automatic Traffic Counter	
RTA ATC	50.385
Year	2007
AM Peak - Weekdays	0800-0900
PM Peak - Weekdays	1700-1800
Peak - Weekends	1200-1300
Site Details - Bulky Goods/Hardware	
Area Dimension (m2)	
Gross floor area (m2)	9800
No. of employee (Total)	
No. of employee (at one time)	
Year Constructed	
Busy Peak Period	
Accessibility Score	<79 (See Appendix A Figure 1)
Opening Hours	
Mon-Fri	0700-2100
Sat	0800-1800
Sun	0800-1800
Parking Spaces	
Customers	263
Disabled	2
Staff	
Loading Bay	
Total	265
Survey Results	
Date of Survey - Weekdays	12/03/09 (Thurs)
Weather	Sunny
Date of Survey - Weekend	14/03/09 (Sat)
Weather	Sunny

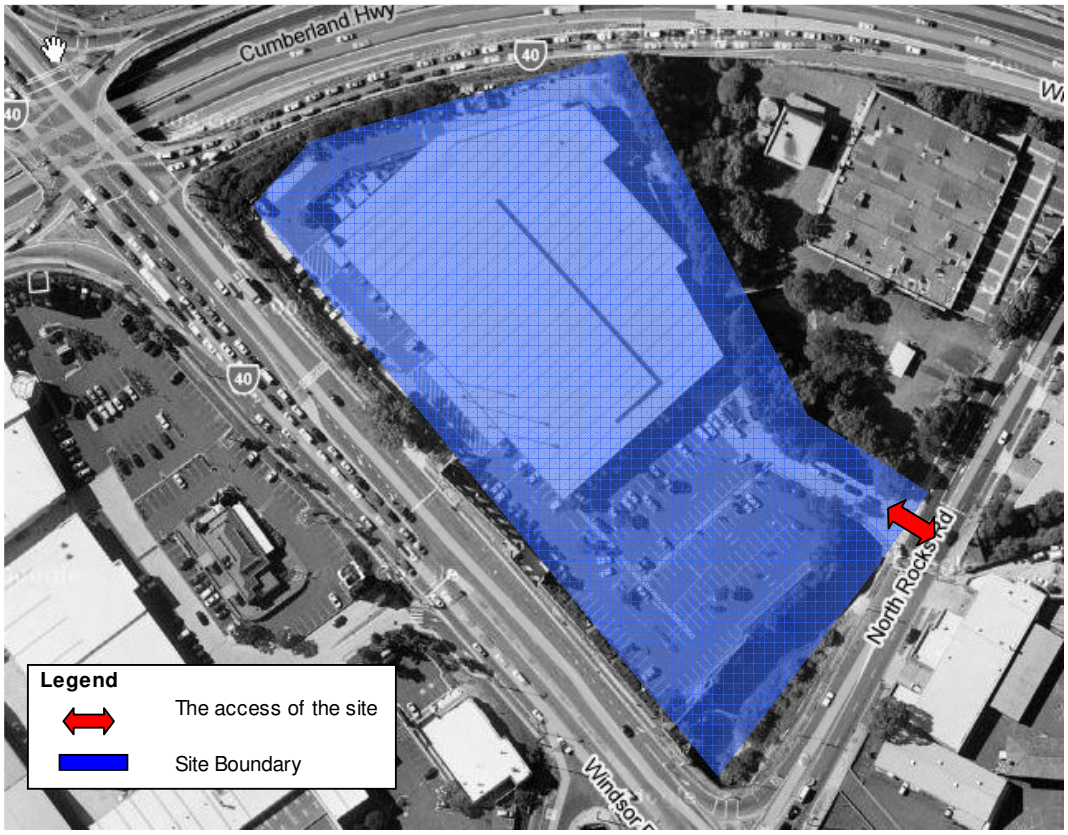

Figure 2-3 HW1 – Site Layout

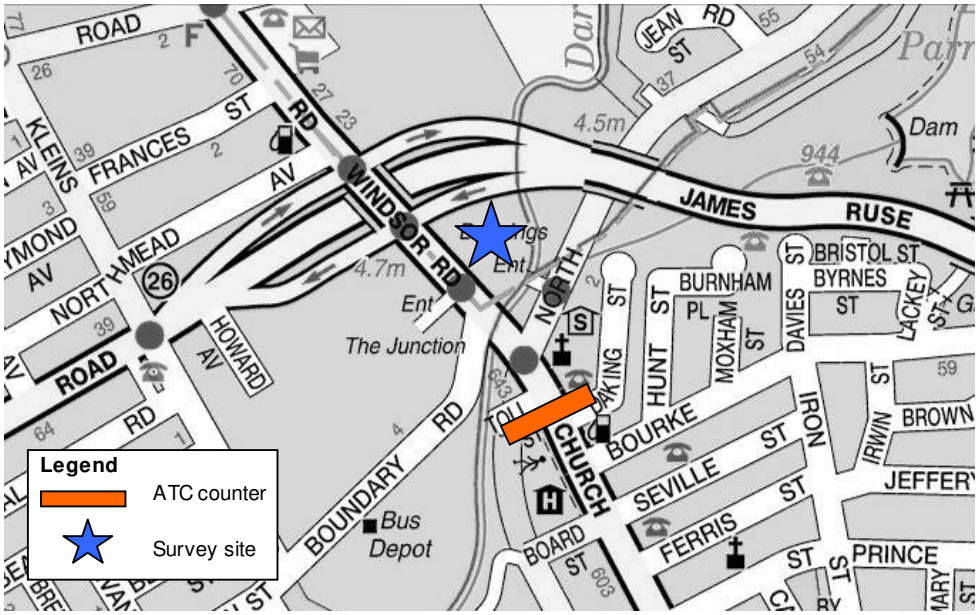

Figure 2-4 HW1 - Traffic Count Station Location

2.2.2 HW2 – Bunnings at Bankstown Airport

Table 2-3 HW2- Site Details

Site ID	HW2
Name	Bunnings
Address	347-359 Milperra Road
Suburb	Bankstown Airport 2200
Region	Sydney
Automatic Traffic Counter	
RTA ATC	44.023
Year	2005
AM Peak - Weekdays	0700-0800
PM Peak - Weekdays	1600-1700
Peak - Weekends	1200-1300
Site Details - Bulky Goods/Hardware	
Area Dimension (m2)	
Gross floor area (m2)	14111
No. of employee (Total)	
No. of employee (at one time)	
Year Constructed	
Busy Peak Period	
Accessibility Score	<79 (See Appendix A Figure 1)
Opening Hours	
Mon-Fri	0700-2100
Sat	0800-1800
Sun	0800-1800
Parking Spaces	
Customers	464
Disabled	8
Staff	
Loading Bay	
Total	472
Survey Results	
Date of Survey - Weekdays	26/03/09 (Thurs)
Weather	Sunny
Date of Survey - Weekend	28/03/09 (Sat)
Weather	Sunny

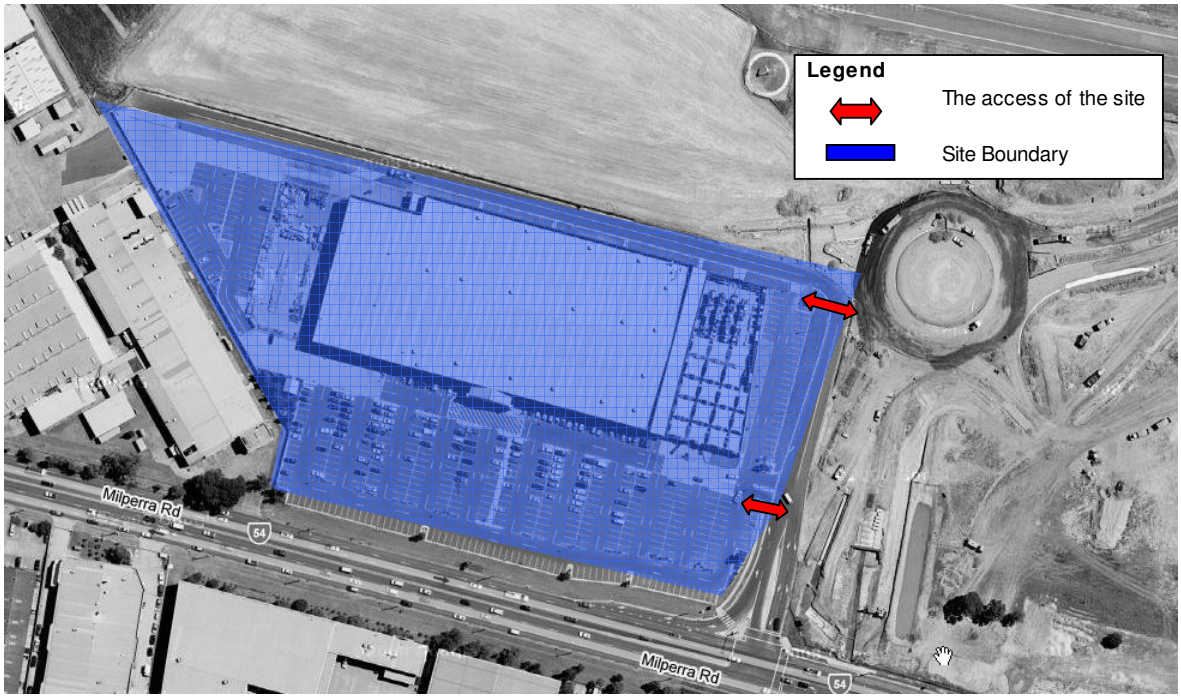

Figure 2-5 HW2 - Site Layout

Figure 2-6 HW2 - Traffic Count Station Location

2.2.3 HW3 – Mitre10 at Windsor

Table 2-4 HW3- Site Details

Site ID	HW3
Name	Mitre10
Address	12-16 Mileham Street
Suburb	Windsor 2756
Region	Sydney
Automatic Traffic Counter	
RTA ATC	88.046
Year	2007
AM Peak - Weekdays	0800-0900
PM Peak - Weekdays	1500-1600
Peak - Weekends	1100-1200
Site Details - Bulky Goods/Hardware	
Area Dimension (m2)	6700
Gross floor area (m2)	1800
No. of employee (Total)	42
No. of employee (at one time)	34
Year Constructed	1990
Busy Peak Period Accessibility Score	<79 (See Appendix A Figure 1)
Opening Hours	
Mon-Fri	0630-1700
Sat	0800-1600
Sun	0900-1500
Parking Spaces	
Customers	44
Disabled	0
Staff	0
Loading Bay	2
Total	46
Survey Results	
Date of Survey - Weekdays	19/03/09 (Thurs)
Weather	Sunny
Date of Survey - Weekend	21/03/09 (Sat)
Weather	Sunny

Figure 2-7 HW3 - Site Layout

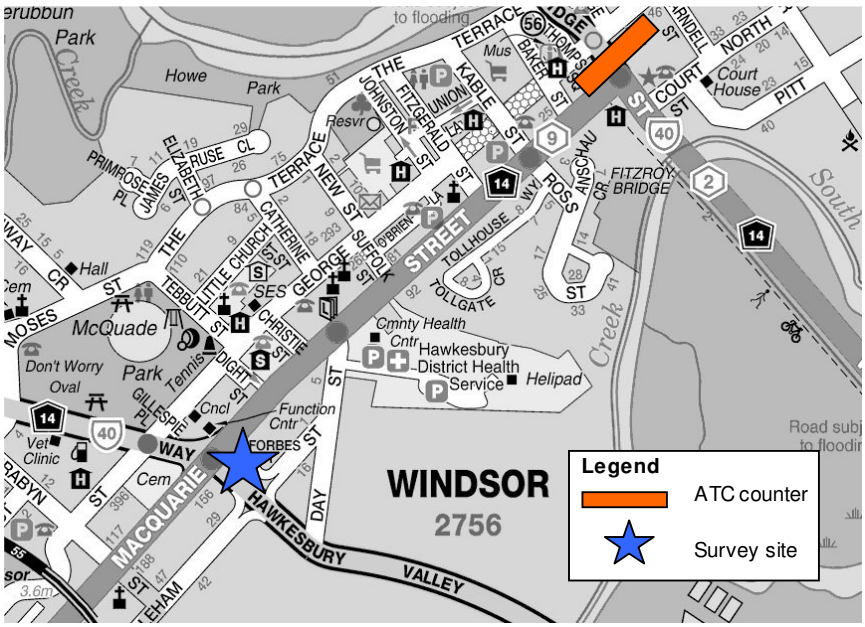

Figure 2-8 HW3 - Traffic Count Station Location

2.2.4 HW4 – Bunnings at Minchinbury

Table 2-5 HW4- Site Details

Site ID	HW4
Name	Bunnings
Address	Cnr John Hines Ave & Grt Western Hwy
Suburb	Minchinbury 2770
Region	Sydney
Automatic Traffic Counter	
RTA ATC	71.014
Year	2007
AM Peak - Weekdays	0800-0900
PM Peak - Weekdays	1700-1800
Peak - Weekends	1100-1200
Site Details - Bulky Goods/Hardware	
Area Dimension (m2)	
Gross floor area (m2)	11915
No. of employee (Total)	
No. of employee (at one time)	
Year Constructed	
Busy Peak Period	
Accessibility Score	<79 (See Appendix A Figure 1)
Opening Hours	
Mon-Fri	0700-2100
Sat	0800-1800
Sun	0800-1800
Parking Spaces	
Customers	397
Disabled	6
Staff	
Loading Bay	
Total	403
Survey Results	
Date of Survey - Weekdays	19/03/09 (Thurs)
Weather	Sunny
Date of Survey - Weekend	21/03/09 (Sat)
Weather	Sunny

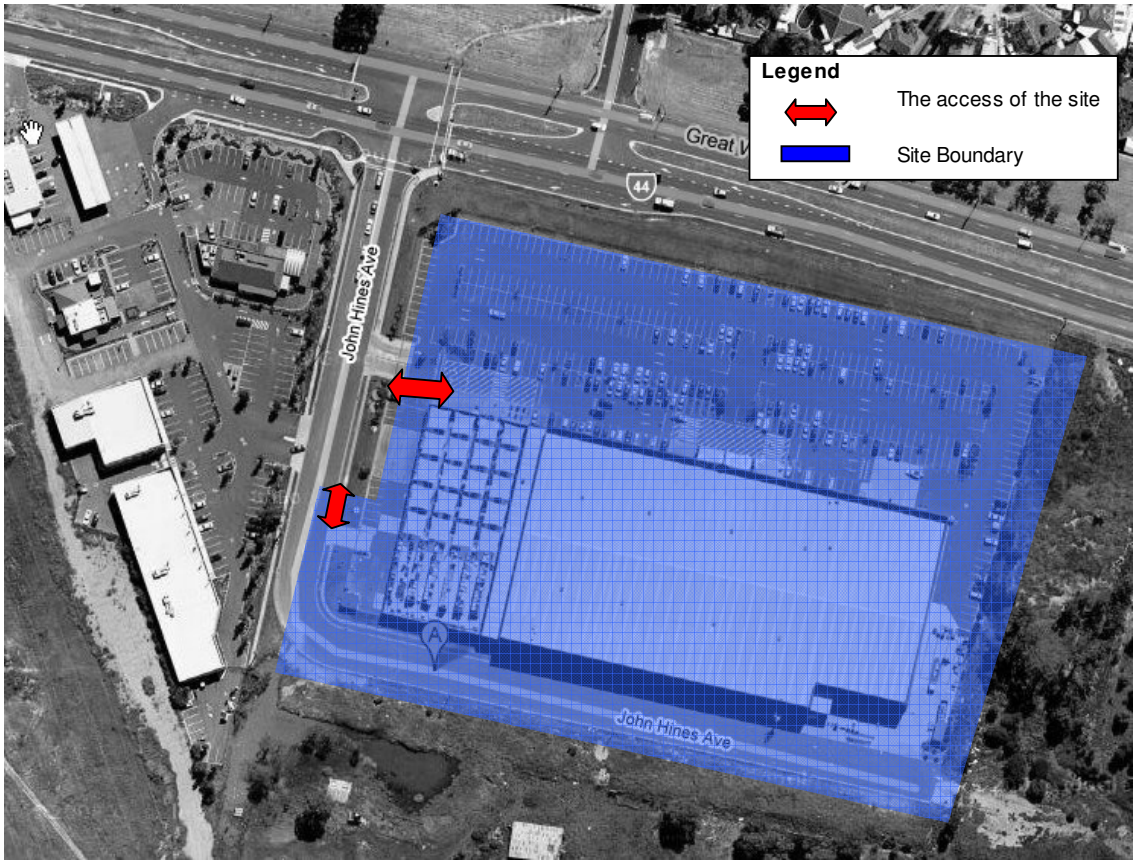

Figure 2-9 HW4 – Site Layout

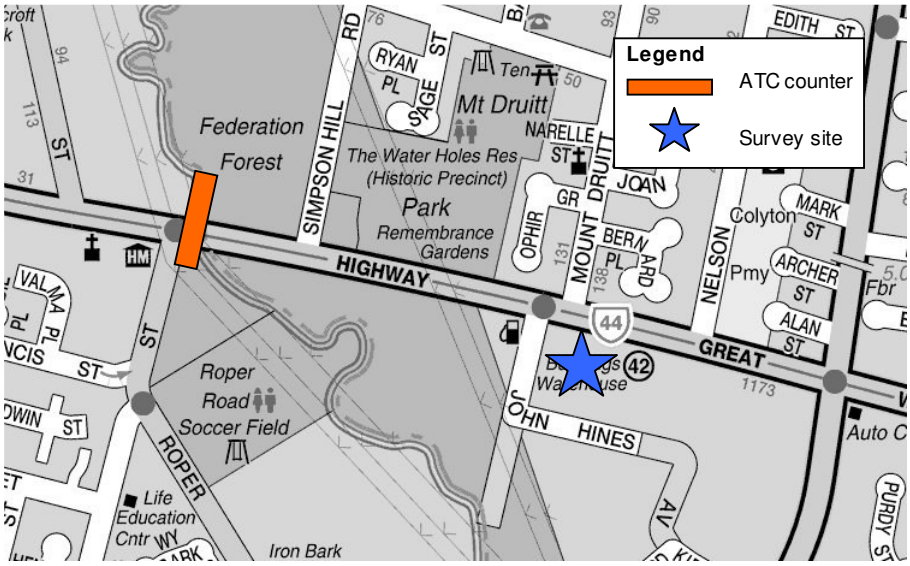

Figure 2-10 HW4 - Traffic Count Station Location

2.2.5 HW5 – Mitre10 at Narellan

Table 2-6 HW5- Site Details

Site ID	HW5
Name	Mitre10
Address	2 Maxwell Place
Suburb	Narellan 2567
Region	Sydney
Automatic Traffic Counter	
RTA ATC	85.034
Year	2005
AM Peak - Weekdays	0800-0900
PM Peak - Weekdays	1600-1700
Peak - Weekends	1100-1200
Site Details - Bulky Goods/Hardware	
Area Dimension (m2)	3500
Gross floor area (m2)	2400
No. of employee (Total)	20
No. of employee (at one time)	15
Year Constructed	1991-1992
Busy Peak Period	Busy Time- Mon-Fri 7-10am, 3-530pm, Sat 730-4pm
Accessibility Score	<79 (See Appendix A Figure 1)
Opening Hours	
Mon-Fri	0700-1730
Sat	0730-1600
Sun	0900-1600
Parking Spaces	
Customers	35
Disabled	2
Staff	0
Loading Bay	1
Total	38
Survey Results	
Date of Survey - Weekdays	19/03/09 (Thurs)
Weather	Sunny
Date of Survey - Weekend	21/03/09 (Sat)
Weather	Sunny

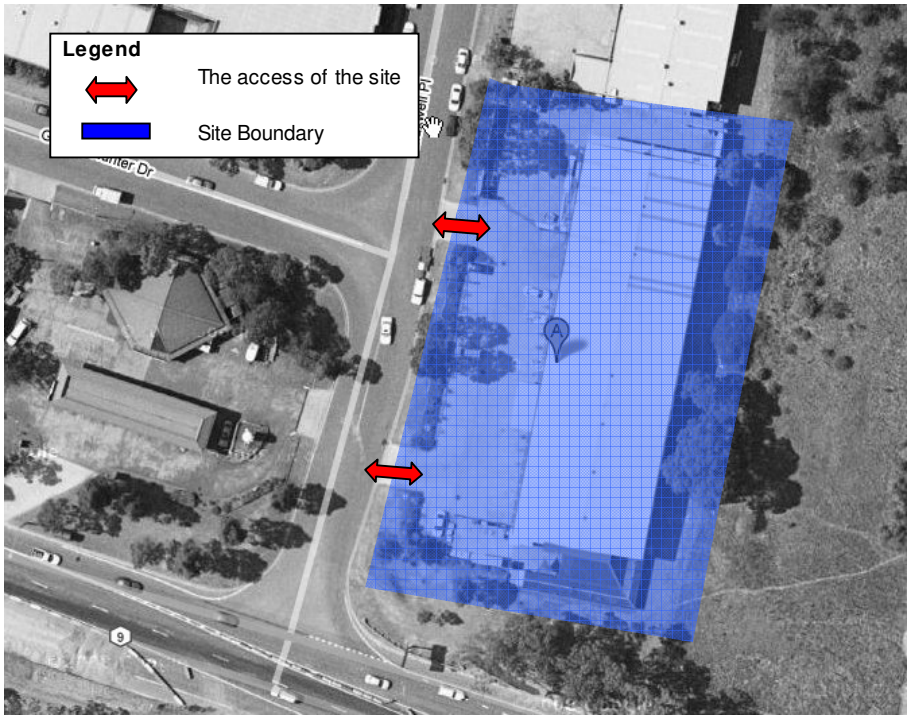

Figure 2-11 HW5 – Site Layout

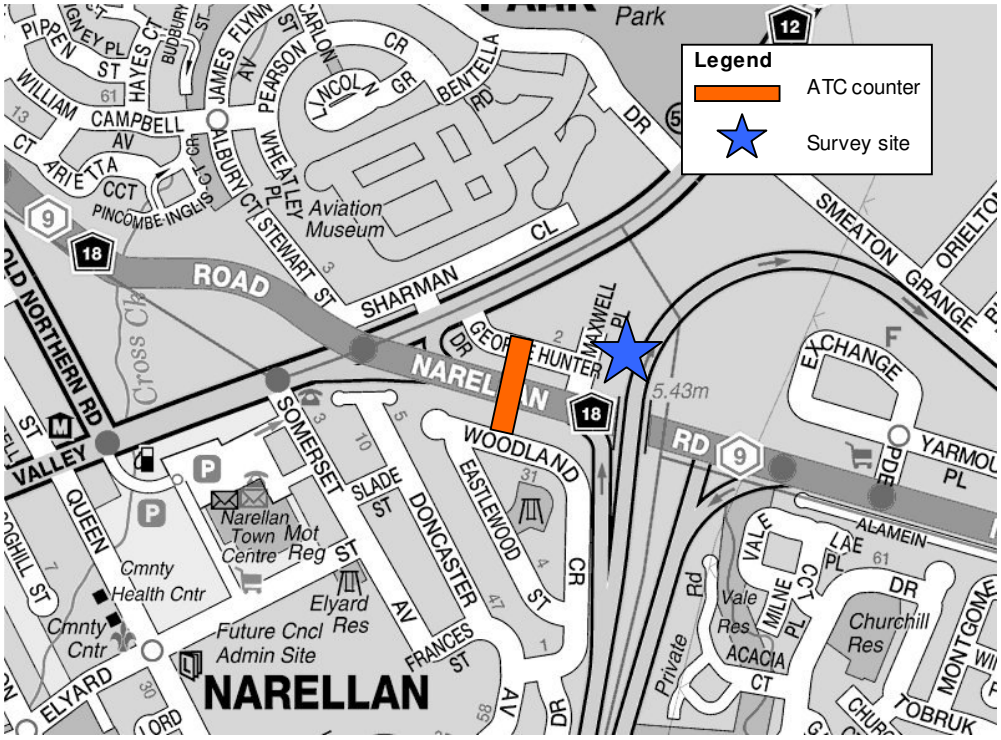

Figure 2-12 HW5 - Traffic Count Station Location

2.2.6 HW6 – Mitre10 at Morisset

Only 30 spaces are usable with 8 spaces being blocked off or obstructed by various items. There are a number of on-street parking spaces along the site frontage.

Table 2-7 HW6- Site Details

Site ID	HW6
Name	Mitre10
Address	19 Gateway Blvd
Suburb	Morisset 2264
Region	Northern
Automatic Traffic Counter	
RTA ATC	05.512
Year	2004
AM Peak - Weekdays	0800-0900
PM Peak - Weekdays	1600-1700
Peak - Weekends	1100-1200
Site Details - Bulky Goods/Hardware	
Area Dimension (m2)	
Gross floor area (m2)	2000
No. of employee (Total)	
No. of employee (at one time)	15
Year Constructed	
Busy Peak Period	0930-1430
Accessibility Score	0.5 (See the section below)
Opening Hours	
Mon-Fri	0630-1730
Sat	0700-1600
Sun	0700-1600
Parking Spaces	
Customers	29
Disabled	1
Staff	0
Loading Bay	0
Total	30
Survey Results	
Date of Survey - Weekdays	12/03/09 (Thurs)
Weather	Sunny
Date of Survey - Weekend	14/03/09 (Sat)
Weather	Sunny/ Rain Evening

Accessibility Score

Bus route 280 operates between Morisset and Cooranbong. It provides five services during the AM Peak. (7am to 9am)

STEP	SCORING METHODOLOGY	Parameter	Number of Facilities	Scores
1. Determine walking distance from site to nearest dominant stop/station for each mode corridor or bus route.(Each route is counted once only)	**Rail scores:**			
	Rail station 0 – 400m.....Score = 24	24	0	0
	Rail station 400 – 800m.....Score = 12	12	0	0
	Rail station > 800m.....Score = 0	0	0	0
	Light rail / ferry scores:		Total	0
	Light rail or ferry route 0 – 400m .....Score = 8	8	0	0
	Light rail or ferry route 400 – 800m .....Score = 4	4	0	0
	Light rail or ferry route >800m .....Score = 0	0	0	0
	Bus scores:		Total	0
	Each bus route 0 – 400m .....Score = 4	4	0	0
	Each bus route 400 – 800m .....Score = 1	1	1	1
	Each bus route > 800m .....Score = 0	0	0	0
			Total	1
2. Determine infrastructure priority treatment (This is a proxy for public transport reliability,connectivity and speed)	For each mode corridor, multiply the score in Step 1. above with the factor below:			
	Heavy rail, light rail or ferry route .....Multiply by 1	1		0
	Bus Transitway.....Multiply bus route score by 3	3		0
	Other Strategic Bus Corridor*.....Multiply bus route score by 2	2		0
	Corridor with express services .....Multiply bus route score by 1.5	1.5		0
	Standard bus route.....Multiply bus route score by 1	1	1	1
	* If bus route is on a Strategic Bus Corridor for less than 50% of its length, treat as an express corridor			
3. Determine frequency	For each mode corridor, multiply the score in Step 2. above with the factor below:			
	> 20 services in the 2hr AM peak both ways ..... Multiply mode score by 3	3		0
	13-20 services in the 2hr AM peak both ways ..... Multiply mode score by 2	2		0
	8-12 services in the 2hr AM peak both ways ..... Multiply mode score by 1	1		0
	≤ 7 services in the 2hr AM peak both ways..... Multiply mode score by 0.5	0.5	1	0.5
4. Add up all the scores for each mode corridor, to produce a total Public Transport Score				0.5
5. Determine walking proximity of site to a centre (as defined in the Metropolitan Strategy)	Determine the Centre Score, using the following scores:			
	Within 800m of boundary of existing Global/Regional City ..... Score = 60	60		
	Within 800m of boundary of existing/developing Major Centre..... Score = 40	40		
	Within 800m of boundary of existing/developing Smaller Centre and Specialised Centre ..... Score = 20	20	0	0
6. Add the Public Transport Score from Step 4. above to Centre Score from Step 5. above, to produce a total Accessibility Score				0.5
7. Use Table 2 below to convert the Accessibility Score to the Accessibility Discount factor (AD)				0

The facilities with over 800m walking distance to the site do not take into account as they do not affect the accessibility score.

The accessibility score for HW6 is 0.5 which is lower than 75 and acceptable for the purposes of this study.

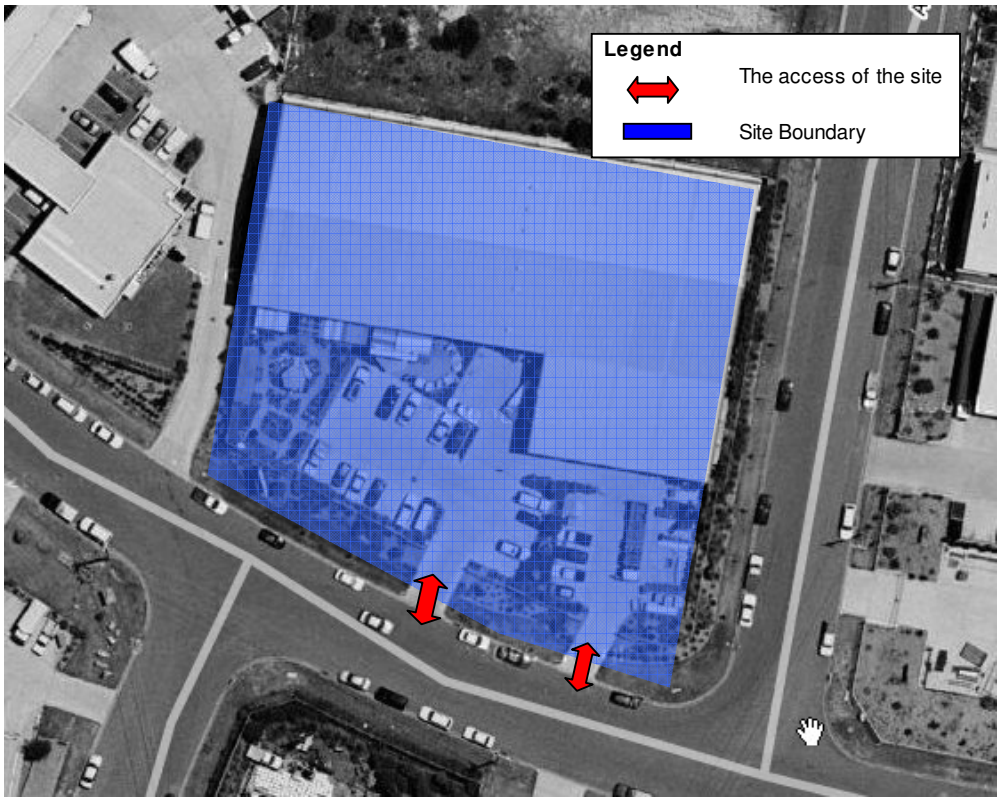

Figure 2-13 HW6 – Site Layout

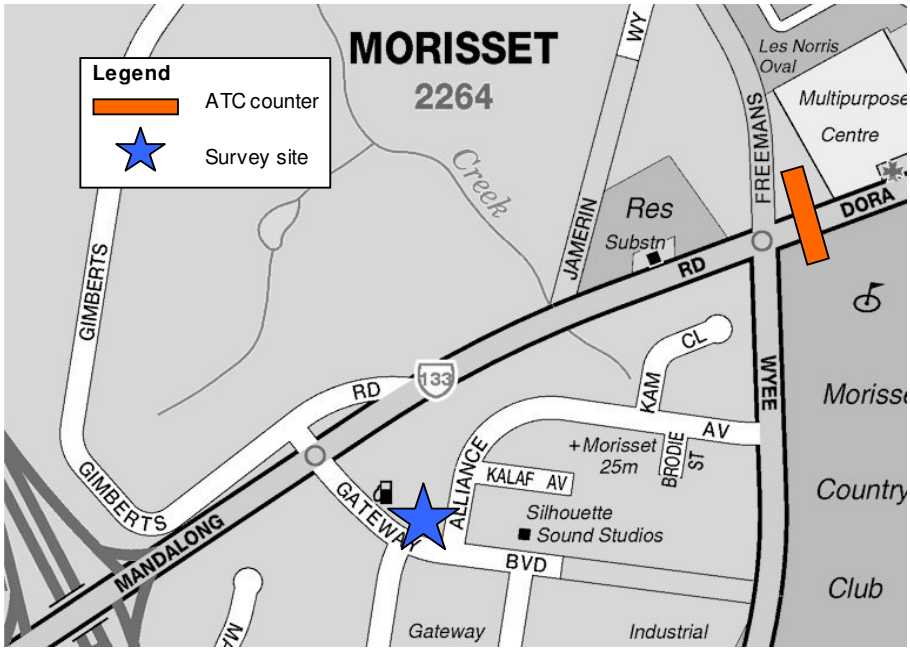

Figure 2-14 HW6 - Traffic Count Station Location

2.2.7 HW7 – Mitre10 at Picton

The parking spaces are unmarked at this site. The number of spaces provided has been estimated by using the aerial photographs and by site inspection.

Table 2-8 HW7- Site Details

Site ID	HW7
Name	Mitre10
Address	Lot 1 Henry Street
Suburb	Picton 2571
Region	Northern
Automatic Traffic Counter	
RTA ATC	N/A
Year	2009 6/4-12/4
AM Peak - Weekdays	0900-1000
PM Peak - Weekdays	1600-1700
Peak - Weekends	1200-1300
Site Details - Bulky Goods/Hardware	
Area Dimension (m2)	3600
Gross floor area (m2)	1600
No. of employee (Total)	12
No. of employee (at one time)	12
Year Constructed	Unknown
Busy Peak Period	
Accessibility Score	1 (See the section below)
Opening Hours	
Mon-Fri	0730-1700
Sat	0700-1600
Sun	0900-1400
Parking Spaces	
Customers	75
Disabled	0
Staff	0
Loading Bay	5
Total	80
Survey Results	
Date of Survey - Weekdays	26/03/09 (Thurs)
Weather	Sunny
Date of Survey - Weekend	28/03/09 (Sat)
Weather	Sunny

Accessibility Score

Bus route 911 and 913 operates between Picton Station and Tahmoor. Route 911 provides one service during the AM Peak. (7am to 9am)

STEP	SCORING METHODOLOGY	Parameter	Number of Facilities	Scores
1. Determine walking distance from site to nearest dominant stop/station for each mode corridor or bus route.(Each route is counted once only)	**Rail scores:**			
	Rail station 0 – 400m.....Score = 24	24	0	0
	Rail station 400 – 800m.....Score = 12	12	0	0
	Rail station > 800m.....Score = 0	0	0	0
	Light rail / ferry scores:		Total	0
	Light rail or ferry route 0 – 400m .....Score = 8	8	0	0
	Light rail or ferry route 400 – 800m .....Score = 4	4	0	0
	Light rail or ferry route >800m .....Score = 0	0	0	0
	Bus scores:		Total	0
	Each bus route 0 – 400m .....Score = 4	4	0	0
	Each bus route 400 – 800m .....Score = 1	1	2	2
	Each bus route > 800m .....Score = 0	0	0	0
			Total	2
2. Determine infrastructure priority treatment (This is a proxy for public transport reliability,connectivity and speed)	For each mode corridor, multiply the score in Step 1. above with the factor below:			
	Heavy rail, light rail or ferry route .....Multiply by 1	1		0
	Bus Transitway.....Multiply bus route score by 3	3		0
	Other Strategic Bus Corridor*.....Multiply bus route score by 2	2		0
	Corridor with express services .....Multiply bus route score by 1.5	1.5		0
	Standard bus route.....Multiply bus route score by 1	1	2	2
	* If bus route is on a Strategic Bus Corridor for less than 50% of its length, treat as an express corridor			
3. Determine frequency	For each mode corridor, multiply the score in Step 2. above with the factor below:			
	> 20 services in the 2hr AM peak both ways ..... Multiply mode score by 3	3		0
	13-20 services in the 2hr AM peak both ways ..... Multiply mode score by 2	2		0
	8-12 services in the 2hr AM peak both ways ..... Multiply mode score by 1	1		0
	≤ 7 services in the 2hr AM peak both ways..... Multiply mode score by 0.5	0.5	2	1
4. Add up all the scores for each mode corridor, to produce a total Public Transport Score				1
5. Determine walking proximity of site to a centre (as defined in the Metropolitan Strategy)	Determine the Centre Score, using the following scores:			
	Within 800m of boundary of existing Global/Regional City ..... Score = 60	60		
	Within 800m of boundary of existing/developing Major Centre..... Score = 40	40		
	Within 800m of boundary of existing/developing Smaller Centre and Specialised Centre ..... Score = 20	20	0	0
6. Add the Public Transport Score from Step 4. above to Centre Score from Step 5. above, to produce a total Accessibility Score				1
7. Use Table 2 below to convert the Accessibility Score to the Accessibility Discount factor (AD)				0

The facilities with over 800m walking distance to the site do not take into account as they do not affect the accessibility score.

The accessibility score for HW7 is 1 which is lower than 75 and acceptable for the purposes of this study.

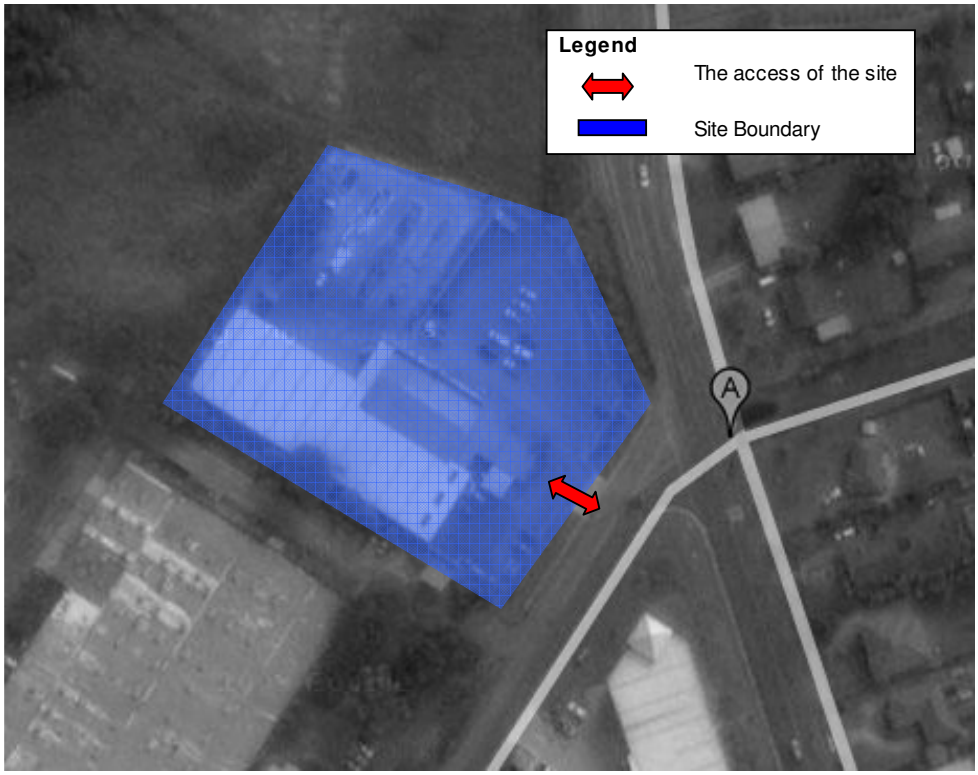

Figure 2-15 HW7 – Site Layout

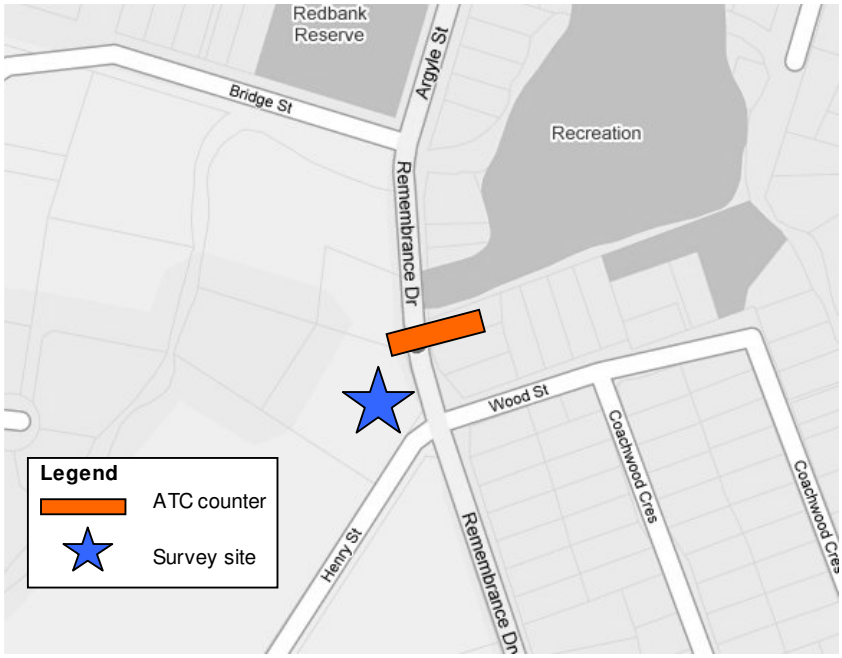

Figure 2-16 HW7 - Traffic Count Station Location

2.2.8 HW8 – Bunnings at South Nowra

Table 2-9 HW8- Site Details

Site ID	HW8
Name	Bunnings
Address	Princes Highway
Suburb	South Nowra 2541
Region	Northern
Automatic Traffic Counter	
RTA ATC	N/A
Year	2009 18/3-24/3
AM Peak - Weekdays	0800-0900
PM Peak - Weekdays	1500-1600
Peak - Weekends	1100-1200
Site Details - Bulky Goods/Hardware	
Area Dimension (m2)	
Gross floor area (m2)	9948
No. of employee (Total)	
No. of employee (at one time)	
Year Constructed	
Busy Peak Period	
Accessibility Score	0 (See the section below)
Opening Hours	
Mon-Fri	0700-2100
Sat	0800-1800
Sun	0800-1800
Parking Spaces	
Customers	209
Disabled	4
Staff	
Loading Bay	
Total	213
Survey Results	
Date of Survey - Weekdays	26/03/09 (Thurs)
Weather	Sunny/ Rain Evening
Date of Survey - Weekend	28/03/09 (Sat)
Weather	Sunny

Accessibility Score

Bus route 924 and 932 operate in Nowra area. However, the closest bus stop is over 800m away from the site.

STEP	SCORING METHODOLOGY	Parameter	Number of Facilities	Scores
1. Determine walking distance from site to nearest dominant stop/station for each mode corridor or bus route.(Each route is counted once only)	**Rail scores:**			
	Rail station 0 – 400m.....Score = 24	24	0	0
	Rail station 400 – 800m.....Score = 12	12	0	0
	Rail station > 800m.....Score = 0	0	0	0
	Light rail / ferry scores:		Total	0
	Light rail or ferry route 0 – 400m .....Score = 8	8	0	0
	Light rail or ferry route 400 – 800m .....Score = 4	4	0	0
	Light rail or ferry route >800m .....Score = 0	0	0	0
	Bus scores:		Total	0
	Each bus route 0 – 400m .....Score = 4	4	0	0
	Each bus route 400 – 800m .....Score = 1	1	0	0
	Each bus route > 800m .....Score = 0	0	0	0
			Total	0
2. Determine infrastructure priority treatment (This is a proxy for public transport reliability,connectivity and speed)	For each mode corridor, multiply the score in Step 1. above with the factor below:			
	Heavy rail, light rail or ferry route .....Multiply by 1	1		0
	Bus Transitway.....Multiply bus route score by 3	3		0
	Other Strategic Bus Corridor*.....Multiply bus route score by 2	2		0
	Corridor with express services .....Multiply bus route score by 1.5	1.5		0
	Standard bus route.....Multiply bus route score by 1	1	0	0
	* If bus route is on a Strategic Bus Corridor for less than 50% of its length, treat as an express corridor			
3. Determine frequency	For each mode corridor, multiply the score in Step 2. above with the factor below:			
	> 20 services in the 2hr AM peak both ways ..... Multiply mode score by 3	3		0
	13-20 services in the 2hr AM peak both ways ..... Multiply mode score by 2	2		0
	8-12 services in the 2hr AM peak both ways ..... Multiply mode score by 1	1		0
	≤ 7 services in the 2hr AM peak both ways..... Multiply mode score by 0.5	0.5	0	0
4. Add up all the scores for each mode corridor, to produce a total Public Transport Score				0
5. Determine walking proximity of site to a centre (as defined in the Metropolitan Strategy)	Determine the Centre Score, using the following scores:			
	Within 800m of boundary of existing Global/Regional City ..... Score = 60	60		
	Within 800m of boundary of existing/developing Major Centre..... Score = 40	40		
	Within 800m of boundary of existing/developing Smaller Centre and Specialised Centre ..... Score = 20	20	0	0
6. Add the Public Transport Score from Step 4. above to Centre Score from Step 5. above, to produce a total Accessibility Score				0
7. Use Table 2 below to convert the Accessibility Score to the Accessibility Discount factor (AD)				0

The facilities with over 800m walking distance to the site do not take into account as they do not affect the accessibility score.

The accessibility score for HW7 is 0 which is lower than 75 and acceptable for the purposes of this study.

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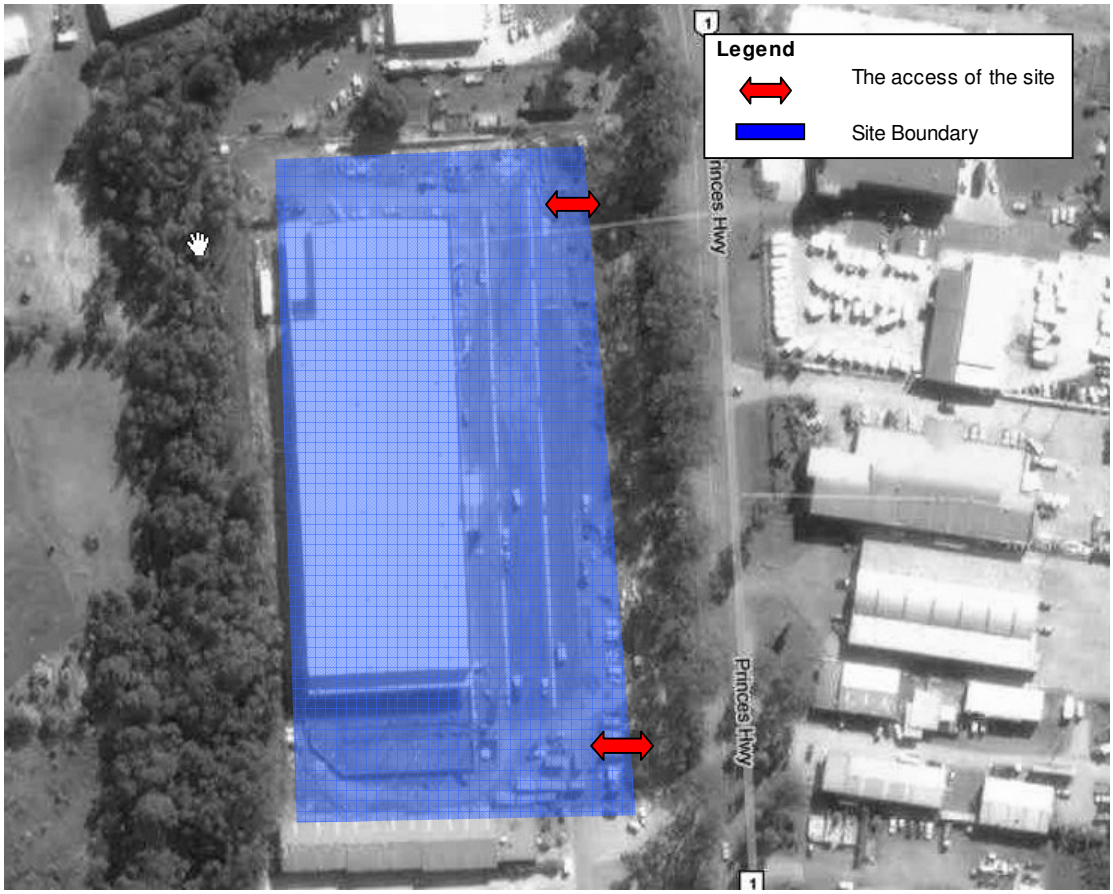

Figure 2-17 HW8 – Site Layout

Figure 2-18 HW8 - Traffic Count Station Location

2.2.9 HW9 – Mitre10 at Orange

Table 2-10 HW9- Site Details

Site ID	HW9
Name	Mitre10
Address	253 McLachlan Street
Suburb	Orange 2800
Region	Southern
Automatic Traffic Counter	
RTA ATC	93.229
Year	2005
AM Peak - Weekdays	0800-0900
PM Peak - Weekdays	1600-1700
Peak - Weekends	1100-1200
Site Details - Bulky Goods/Hardware	
Area Dimension (m2)	Unknown
Gross floor area (m2)	1800
No. of employee (Total)	23
No. of employee (at one time)	8
Year Constructed	1980
Busy Peak Period	Sat/Sun busier
Accessibility Score	2 (See the section below)
Opening Hours	
Mon-Fri	0700-1730
Sat	0800-1600
Sun	0900-1600
Parking Spaces	
Customers	28
Disabled	2
Staff	10
Loading Bay	2
Total	42
Survey Results	
Date of Survey - Weekdays	19/03/09 (Thurs)
Weather	Sunny
Date of Survey - Weekend	21/03/09 (Sat)
Weather	Sunny

Accessibility Score

Bus route 532 operates in the area and provides one service during the AM Peak. (7am to 9am)

STEP	SCORING METHODOLOGY	Parameter	Number of Facilities	Scores
1. Determine walking distance from site to nearest dominant stop/station for each mode corridor or bus route.(Each route is counted once only)	**Rail scores:**			
	Rail station 0 – 400m.....Score = 24	24	0	0
	Rail station 400 – 800m.....Score = 12	12	0	0
	Rail station > 800m.....Score = 0	0	0	0
	Light rail / ferry scores:		Total	0
	Light rail or ferry route 0 – 400m .....Score = 8	8	0	0
	Light rail or ferry route 400 – 800m .....Score = 4	4	0	0
	Light rail or ferry route >800m .....Score = 0	0	0	0
	Bus scores:		Total	0
	Each bus route 0 – 400m .....Score = 4	4	1	4
	Each bus route 400 – 800m .....Score = 1	1	0	0
	Each bus route > 800m .....Score = 0	0	0	0
			Total	4
2. Determine infrastructure priority treatment (This is a proxy for public transport reliability,connectivity and speed)	For each mode corridor, multiply the score in Step 1. above with the factor below:			
	Heavy rail, light rail or ferry route .....Multiply by 1	1		0
	Bus Transitway.....Multiply bus route score by 3	3		0
	Other Strategic Bus Corridor*.....Multiply bus route score by 2	2		0
	Corridor with express services .....Multiply bus route score by 1.5	1.5		0
	Standard bus route.....Multiply bus route score by 1	1	4	4
	* If bus route is on a Strategic Bus Corridor for less than 50% of its length, treat as an express corridor			
3. Determine frequency	For each mode corridor, multiply the score in Step 2. above with the factor below:			
	> 20 services in the 2hr AM peak both ways ..... Multiply mode score by 3	3		0
	13-20 services in the 2hr AM peak both ways ..... Multiply mode score by 2	2		0
	8-12 services in the 2hr AM peak both ways ..... Multiply mode score by 1	1		0
	≤ 7 services in the 2hr AM peak both ways..... Multiply mode score by 0.5	0.5	4	2
4. Add up all the scores for each mode corridor, to produce a total Public Transport Score				2
5. Determine walking proximity of site to a centre (as defined in the Metropolitan Strategy)	Determine the Centre Score, using the following scores:			
	Within 800m of boundary of existing Global/Regional City ..... Score = 60	60		
	Within 800m of boundary of existing/developing Major Centre..... Score = 40	40		
	Within 800m of boundary of existing/developing Smaller Centre and Specialised Centre ..... Score = 20	20	0	0
6. Add the Public Transport Score from Step 4. above to Centre Score from Step 5. above, to produce a total Accessibility Score				2
7. Use Table 2 below to convert the Accessibility Score to the Accessibility Discount factor (AD)				0

The facilities with over 800m walking distance to the site do not take into account as they do not affect the accessibility score.

The accessibility score for HW9 is 2 which is lower than 75 and acceptable for the purposes of this study.

Figure 2-19 HW9 – Site Layout

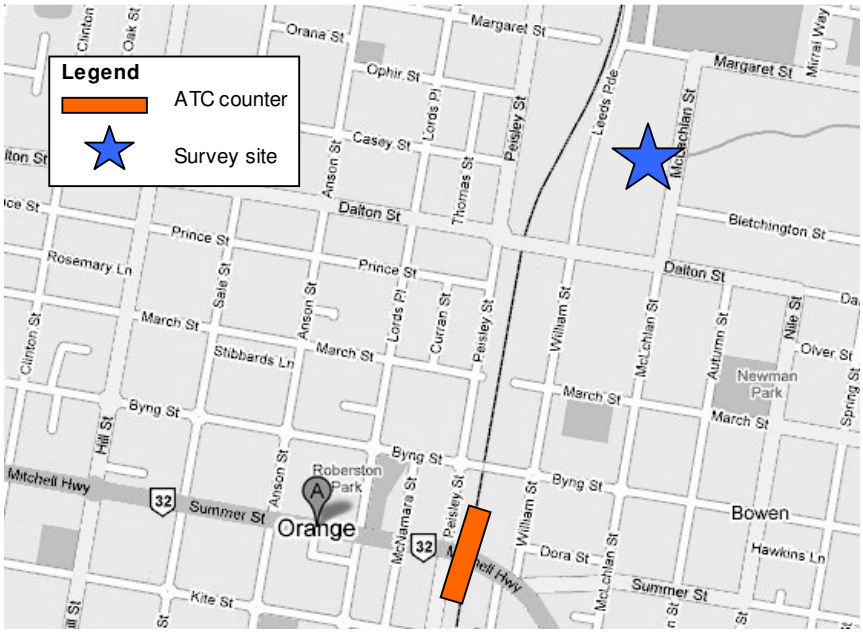

Figure 2-20 HW9 – Traffic Count Station Location

2.2.10 BG1 – Freedom/Sleepcity at Balgowlah

Although the accessibility score of the site is slightly higher than the required 75, the interview survey indicates that the public transport usage is minimal to the site.

Table 2-11 BG1- Site Details

Site ID	BG1
Name	Freedom/ Sleepcity
Address	247 Condamine Street
Suburb	Balgowlah 2093
Region	Sydney
Automatic Traffic Counter	
RTA ATC	55.194
Year	2005
AM Peak – Weekdays	0800-0900
PM Peak – Weekdays	1700-1800
Peak – Weekends	1200-1300
Site Details – Bulky Goods/Hardware	
Area Dimension (m2)	
Gross floor area (m2)	4300
No. of employee (Total)	29
No. of employee (at one time)	10
Year Constructed	Unknown
Busy Peak Period	Busy time Sat
Accessibility Score	80-139 (See Appendix A Figure 1)
Opening Hours	
Mon-Fri	0900-1800 0900-2100 (Thurs)
Sat	0900-1700
Sun	1000-1700
Parking Spaces	
Customers	43
Disabled	0
Staff	3
Loading Bay	4
Total	50
Survey Results	
Date of Survey – Weekdays	19/03/09 (Thurs)
Weather	Sunny
Date of Survey – Weekend	21/03/09 (Sat)
Weather	Sunny/Shower

Figure 2-21 BG1 – Site Layout

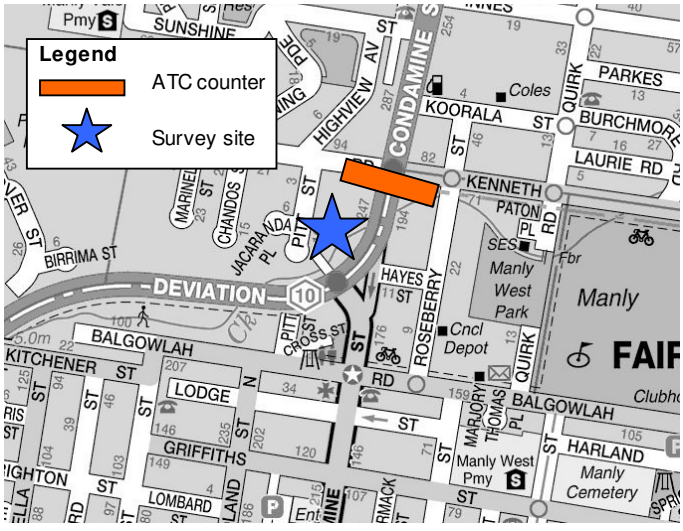

Figure 2-22 BG1 – Traffic Count Station Location

2.2.11 BG2 – Harvey Norman at Auburn

Table 2-12 BG2- Site Details

Site ID	BG2
Name	Harvey Norman
Address	250 Parramatta Road
Suburb	Auburn 2144
Region	Sydney
Automatic Traffic Counter	
RTA ATC	49.002
Year	2007
AM Peak – Weekdays	0800-0900
PM Peak – Weekdays	1700-1800
Peak – Weekends	1200-1300
Site Details – Bulky Goods/Hardware	
Area Dimension (m2)	Approx 9000
Gross floor area (m2)	25,384 (including car park) 14,849 (GLFA)
No. of employee (Total)	220
No. of employee (at one time)	100
Year Constructed	2001
Busy Peak Period	Not Specific
Accessibility Score	<79 (See Appendix A Figure 1)
Opening Hours	
Mon-Fri	0900-1730 0900-2100 (Thurs)
Sat	0900-1730
Sun	0900-1730
Parking Spaces	
Customers	338
Disabled	12
Staff	0
Loading Bay	
Total	350
Survey Results	
Date of Survey – Weekdays	12/03/09 (Thurs)
Weather	Sunny
Date of Survey – Weekend	14/03/09 (Sat)
Weather	Sunny

Figure 2-23 BG2 – Site Layout

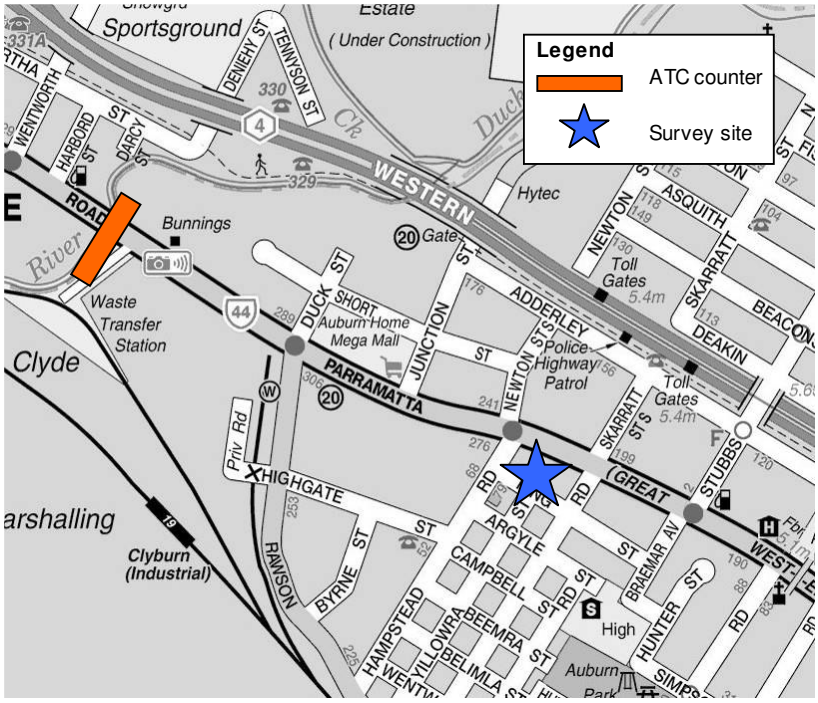

Figure 2-24 BG2 – Traffic Count Station Location

2.2.12 BG3 – Retravision at Springwood

Table 2-13 BG3- Site Details

Site ID	BG3
Name	Retravision
Address	63 Macquarie Rd
Suburb	Springwood 2777
Region	Blue Mountain
Automatic Traffic Counter	
RTA ATC	99.933
Year	2005
AM Peak – Weekdays	0800-0900
PM Peak – Weekdays	1700-1800
Peak – Weekends	1100-1200
Site Details – Bulky Goods/Hardware	
Area Dimension (m2)	1600
Gross floor area (m2)	600
No. of employee (Total)	5
No. of employee (at one time)	5
Year Constructed	
Busy Peak Period	
Accessibility Score	<79 (See Appendix A Figure 1)
Opening Hours	
Mon-Fri	0900-1730
Sat	0900-1600
Sun	1000-1600
Parking Spaces	
Customers	13
Disabled	0
Staff	0
Loading Bay	1
Total	14
Survey Results	
Date of Survey – Weekdays	12/03/09 (Thurs)
Weather	Sunny
Date of Survey – Weekend	14/03/09 (Sat)
Weather	Sunny

Figure 2-25 BG3 – Site Layout

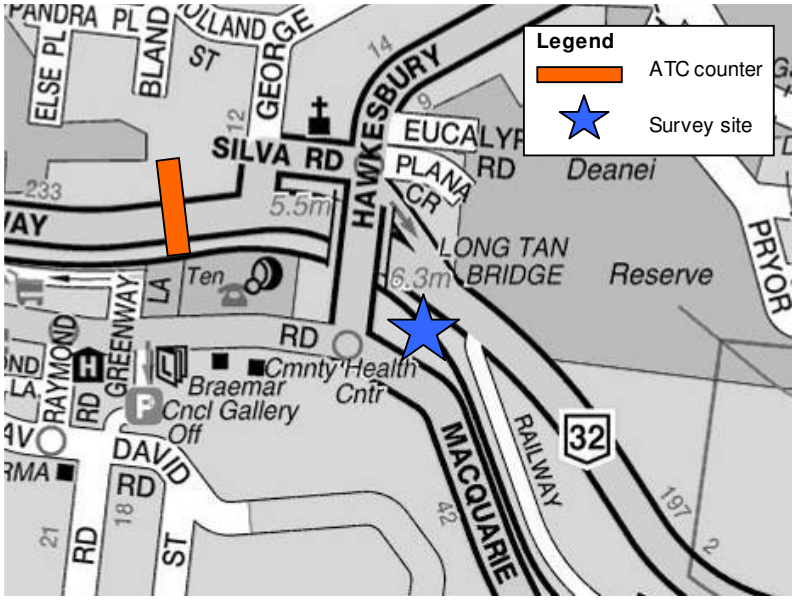

Figure 2-26 BG3 – Traffic Count Station Location

2.2.13 BG4 – Domayne at Kotara

Table 2-14 BG4- Site Details

Site ID	BG4
Name	Domayne
Address	18 Bradford Close
Suburb	Kotara 2289
Region	Newcastle
Automatic Traffic Counter	
RTA ATC	05.912
Year	2004
AM Peak – Weekdays	0800-0900
PM Peak – Weekdays	1600-1700
Peak – Weekends	1200-1300
Site Details – Bulky Goods/Hardware	
Area Dimension (m2)	
Gross floor area (m2)	6029
No. of employee (Total)	
No. of employee (at one time)	50
Year Constructed	
Busy Peak Period	
Accessibility Score	78 (See the section below)
Opening Hours	
Mon-Fri	0900-1730 0900-2100 (Thurs)
Sat	0900-1700
Sun	1000-1700
Parking Spaces	
Customers	151
Disabled	2
Staff	0
Loading Bay	1
Total	154
Survey Results	
Date of Survey – Weekdays	12/03/09 (Thurs)
Weather	Sunny/Cloudy
Date of Survey – Weekend	14/03/09 (Sat)
Weather	Sunny/Cloudy

Accessibility Score

A total of six bus routes operate in the area and the table below shows the number of services provided during the AM Peak.

Route	Number of services both ways (7-9am)
111	4
224	5
225	6
317	6
322	7
334	7
Total	35

The closest train station is Adamstown station which is 400m away from the site. It provides three services to Sydney and four services to Newcastle between 7am and 9am in weekdays.

STEP	SCORING METHODOLOGY	Parameter	Number of Facilities	Scores
1. Determine walking distance from site to nearest dominant stop/station for each mode corridor or bus route.(Each route is counted once only)	**Rail scores:**			
	Rail station 0 – 400m.....Score = 24	24	0	0
	Rail station 400 – 800m.....Score = 12	12	1	12
	Rail station > 800m.....Score = 0	0	1	0
	Light rail / ferry scores:		Total	12
	Light rail or ferry route 0 – 400m .....Score = 8	8	0	0
	Light rail or ferry route 400 – 800m .....Score = 4	4	0	0
	Light rail or ferry route >800m .....Score = 0	0	0	0
	Bus scores:		Total	0
	Each bus route 0 – 400m .....Score = 4	4	6	24
	Each bus route 400 – 800m .....Score = 1	1	0	0
	Each bus route > 800m .....Score = 0	0	0	0
			Total	24
2. Determine infrastructure priority treatment (This is a proxy for public transport reliability,connectivity and speed)	For each mode corridor, multiply the score in Step 1. above with the factor below:			
	Heavy rail, light rail or ferry route .....Multiply by 1	1	12	12
	Bus Transitway.....Multiply bus route score by 3	3		0
	Other Strategic Bus Corridor*.....Multiply bus route score by 2	2		0
	Corridor with express services .....Multiply bus route score by 1.5	1.5		0
	Standard bus route.....Multiply bus route score by 1	1	24	24
	* If bus route is on a Strategic Bus Corridor for less than 50% of its length, treat as an express corridor			
3. Determine frequency	For each mode corridor, multiply the score in Step 2. above with the factor below:			
	> 20 services in the 2hr AM peak both ways ..... Multiply mode score by 3	3	24	72
	13-20 services in the 2hr AM peak both ways ..... Multiply mode score by 2	2		0
	8-12 services in the 2hr AM peak both ways ..... Multiply mode score by 1	1		0
	≤ 7 services in the 2hr AM peak both ways..... Multiply mode score by 0.5	0.5	12	6
4. Add up all the scores for each mode corridor, to produce a total Public Transport Score				78
5. Determine walking proximity of site to a centre (as defined in the Metropolitan Strategy)	Determine the Centre Score, using the following scores:			
	Within 800m of boundary of existing Global/Regional City ..... Score = 60	60	N/A	
	Within 800m of boundary of existing/developing Major Centre..... Score = 40	40	N/A	
	Within 800m of boundary of existing/developing Smaller Centre and Specialised Centre ..... Score = 20	20	N/A	
6. Add the Public Transport Score from Step 4. above to Centre Score from Step 5. above, to produce a total Accessibility Score				78
7. Use Table 2 below to convert the Accessibility Score to the Accessibility Discount factor (AD)				0.2

The facilities with over 800m walking distance to the site do not take into account as they do not affect the accessibility score.

There is no information to determine the centre score in Newcastle region.

The accessibility score for BG4 is 78 which is slightly higher than 75 but is still considered acceptable for the purposes of this study.

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Figure 2-27 BG4 – Site Layout

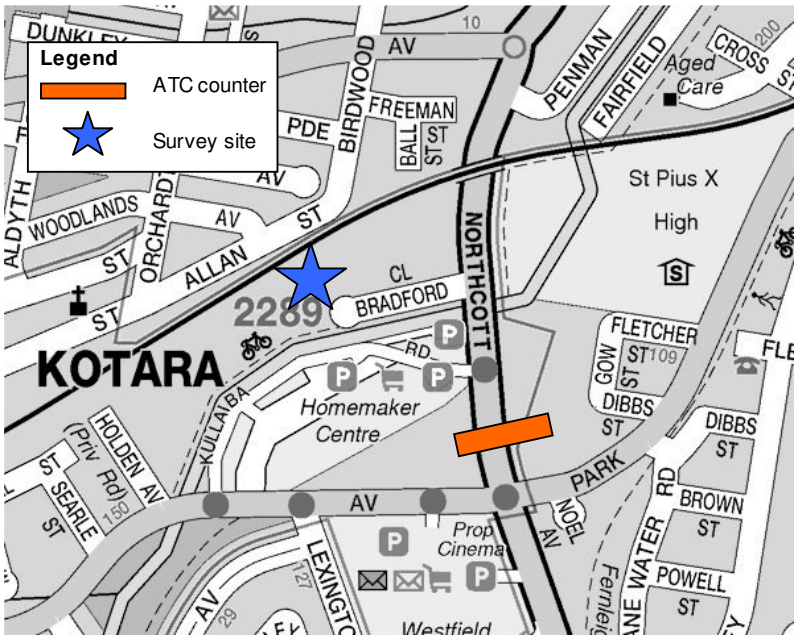

Figure 2-28 BG4 – Traffic Count Station Location

2.2.14 BG5 – Bing Lee at Warilla

Bing Lee at Warilla was opened in late 2008. The site was a former RSL Club. Bing Lee only occupies approximately one-third of the site. Another two stores will be opened two months after the survey day. There could be some construction vehicles entering the site but the number is expected to be very low.

Table 2-15 BG5- Site Details

Site ID	BG5
Name	Bing Lee
Address	144 Shellharbour Road
Suburb	Warilla 2528
Region	Southern
Automatic Traffic Counter	
RTA ATC	07.099
Year	2007
AM Peak – Weekdays	0800-0900
PM Peak – Weekdays	1500-1600
Peak – Weekends	1100-1200
Site Details – Bulky Goods/Hardware	
Area Dimension (m2)	
Gross floor area (m2)	1200
No. of employee (Total)	
No. of employee (at one time)	20
Year Constructed	2008
Busy Peak Period	Sat/Sun
Accessibility Score	26 (See the section below)
Opening Hours	
Mon-Fri	0900-1730 0900-1900 (Thurs)
Sat	0900-1700
Sun	1000-1700
Parking Spaces	
Customers	51
Disabled	4
Staff	33
Loading Bay	4
Total	92
Survey Results	
Date of Survey - Weekdays	19/03/09 (Thurs)
Weather	Sunny/Cloudy
Date of Survey - Weekend	21/03/09 (Sat)
Weather	Sunny/Cloudy

Accessibility Score

A total of eight bus routes operate in the area and the table below shows the number of services provided during the AM Peak.

Route	Number of services both ways (7-9am)
37	3
51	1
53	2
54	0
57	2
70	3
73	0
74	0
Total	11

The closest train station is Oak Flats station which is 3km away from the site.

STEP	SCORING METHODOLOGY	Parameter	Number of Facilities	Scores
1. Determine walking distance from site to nearest dominant stop/station for each mode corridor or bus route.(Each route is counted once only)	**Rail scores:**			
	Rail station 0 – 400m.....Score = 24	24	0	0
	Rail station 400 – 800m.....Score = 12	12	0	0
	Rail station > 800m.....Score = 0	0	0	0
	Light rail / ferry scores:		Total	0
	Light rail or ferry route 0 – 400m .....Score = 8	8	0	0
	Light rail or ferry route 400 – 800m .....Score = 4	4	0	0
	Light rail or ferry route >800m .....Score = 0	0	0	0
	Bus scores:		Total	0
	Each bus route 0 – 400m .....Score = 4	4	8	32
	Each bus route 400 – 800m .....Score = 1	1	0	0
	Each bus route > 800m .....Score = 0	0	0	0
			Total	32
2. Determine infrastructure priority treatment (This is a proxy for public transport reliability,connectivity and speed)	For each mode corridor, multiply the score in Step 1. above with the factor below:			
	Heavy rail, light rail or ferry route .....Multiply by 1	1		0
	Bus Transitway.....Multiply bus route score by 3	3		0
	Other Strategic Bus Corridor*.....Multiply bus route score by 2	2		0
	Corridor with express services .....Multiply bus route score by 1.5	1.5		0
	Standard bus route.....Multiply bus route score by 1	1	32	32
	* If bus route is on a Strategic Bus Corridor for less than 50% of its length, treat as an express corridor			
3. Determine frequency	For each mode corridor, multiply the score in Step 2. above with the factor below:			
	> 20 services in the 2hr AM peak both ways ..... Multiply mode score by 3	3		0
	13-20 services in the 2hr AM peak both ways ..... Multiply mode score by 2	2		0
	8-12 services in the 2hr AM peak both ways ..... Multiply mode score by 1	1	20	20
	≤ 7 services in the 2hr AM peak both ways..... Multiply mode score by 0.5	0.5	12	6
4. Add up all the scores for each mode corridor, to produce a total Public Transport Score				26
5. Determine walking proximity of site to a centre (as defined in the Metropolitan Strategy)	Determine the Centre Score, using the following scores:			
	Within 800m of boundary of existing Global/Regional City ..... Score = 60	60		
	Within 800m of boundary of existing/developing Major Centre..... Score = 40	40		
	Within 800m of boundary of existing/developing Smaller Centre and Specialised Centre ..... Score = 20	20		
6. Add the Public Transport Score from Step 4. above to Centre Score from Step 5. above, to produce a total Accessibility Score				26
7. Use Table 2 below to convert the Accessibility Score to the Accessibility Discount factor (AD)				0.2

The facilities with over 800m walking distance to the site do not take into account as they do not affect the accessibility score.
There is no information to determine the centre score in Wollongong region.

The accessibility score for BG5 is 26 which is less than 75 and is therefore acceptable for the purposes of this study.

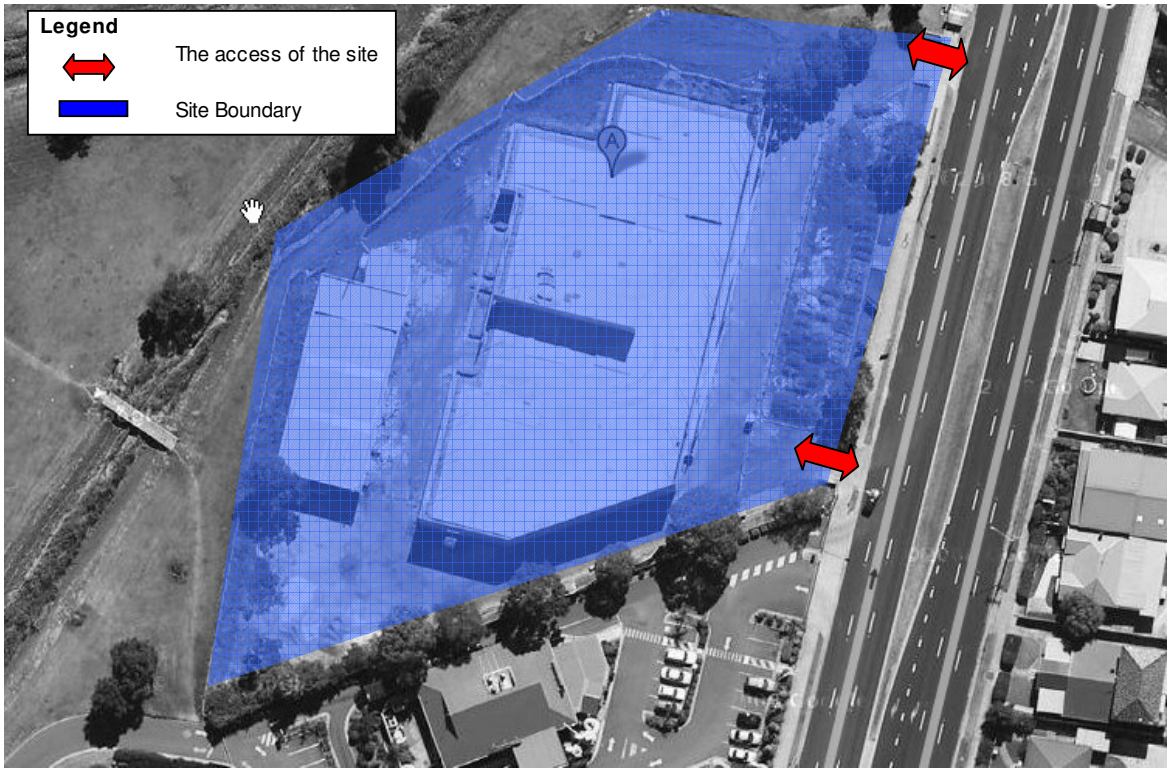

Figure 2-29 BG5 – Site Layout

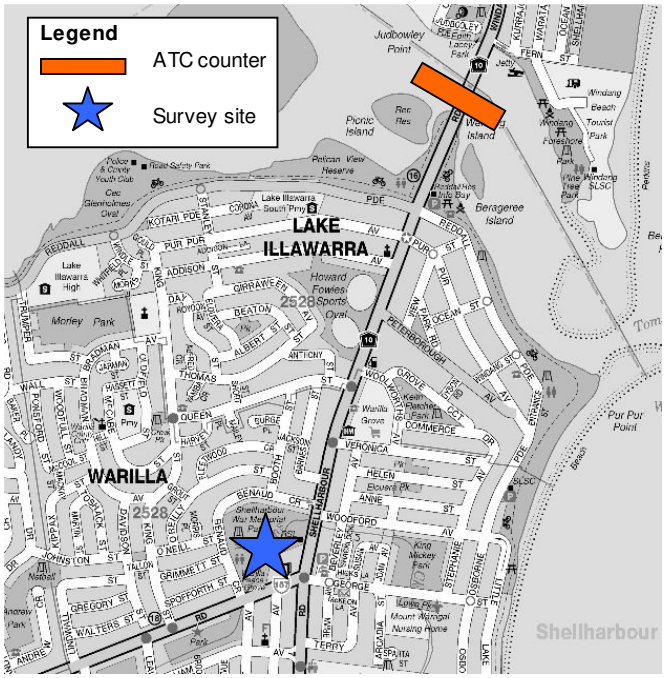

Figure 2-30 BG5 - Traffic Count Station Location

2.2.15 BG6 – Fantastic Furniture at South Nowra

Table 2-16 BG6- Site Details

Site ID	BG6
Name	Fantastic
Address	144 Princes Highway
Suburb	South Nowra 2541
Region	Southern
Automatic Traffic Counter	
RTA ATC	N/A
Year	2009 18/3-24/3
AM Peak - Weekdays	0800-0900
PM Peak - Weekdays	1500-1600
Peak - Weekends	1100-1200
Site Details - Bulky Goods/Hardware	
Area Dimension (m2)	
Gross floor area (m2)	1700
No. of employee (Total)	9
No. of employee (at one time)	9
Year Constructed	
Busy Peak Period	Sat/Sun 11-3pm
Accessibility Score	0 (See the section below)
Opening Hours	
Mon-Fri	0900-1730 0900-1900 (Thurs)
Sat	0900-1700
Sun	1000-1700
Parking Spaces	
Customers	30
Disabled	4
Staff	9
Loading Bay	2
Total	45
Survey Results	
Date of Survey - Weekdays	26/03/09 (Thurs)
Weather	Sunny
Date of Survey - Weekend	28/03/09 (Sat)
Weather	Sunny

Accessibility Score

Bus route 924 and 932 operate in Nowra area. However, the closest bus stop is over 800m away from the site.

STEP	SCORING METHODOLOGY	Parameter	Number of Facilities	Scores
1. Determine walking distance from site to nearest dominant stop/station for each mode corridor or bus route.(Each route is counted once only)	**Rail scores:**			
	Rail station 0 – 400m.....Score = 24	24	0	0
	Rail station 400 – 800m.....Score = 12	12	0	0
	Rail station > 800m.....Score = 0	0	0	0
	Light rail / ferry scores:		Total	0
	Light rail or ferry route 0 – 400m .....Score = 8	8	0	0
	Light rail or ferry route 400 – 800m .....Score = 4	4	0	0
	Light rail or ferry route >800m .....Score = 0	0	0	0
	Bus scores:		Total	0
	Each bus route 0 – 400m .....Score = 4	4	0	0
	Each bus route 400 – 800m .....Score = 1	1	0	0
	Each bus route > 800m .....Score = 0	0	0	0
			Total	0
2. Determine infrastructure priority treatment (This is a proxy for public transport reliability,connectivity and speed)	For each mode corridor, multiply the score in Step 1. above with the factor below:			
	Heavy rail, light rail or ferry route .....Multiply by 1	1		0
	Bus Transitway.....Multiply bus route score by 3	3		0
	Other Strategic Bus Corridor*.....Multiply bus route score by 2	2		0
	Corridor with express services .....Multiply bus route score by 1.5	1.5		0
	Standard bus route.....Multiply bus route score by 1	1	0	0
	* If bus route is on a Strategic Bus Corridor for less than 50% of its length, treat as an express corridor			
3. Determine frequency	For each mode corridor, multiply the score in Step 2. above with the factor below:			
	> 20 services in the 2hr AM peak both ways ..... Multiply mode score by 3	3		0
	13-20 services in the 2hr AM peak both ways ..... Multiply mode score by 2	2		0
	8-12 services in the 2hr AM peak both ways ..... Multiply mode score by 1	1		0
	≤ 7 services in the 2hr AM peak both ways..... Multiply mode score by 0.5	0.5	0	0
4. Add up all the scores for each mode corridor, to produce a total Public Transport Score				0
5. Determine walking proximity of site to a centre (as defined in the Metropolitan Strategy)	Determine the Centre Score, using the following scores:			
	Within 800m of boundary of existing Global/Regional City ..... Score = 60	60		
	Within 800m of boundary of existing/developing Major Centre..... Score = 40	40		
	Within 800m of boundary of existing/developing Smaller Centre and Specialised Centre ..... Score = 20	20	0	0
6. Add the Public Transport Score from Step 4. above to Centre Score from Step 5. above, to produce a total Accessibility Score				0
7. Use Table 2 below to convert the Accessibility Score to the Accessibility Discount factor (AD)				0

The facilities with over 800m walking distance to the site do not take into account as they do not affect the accessibility score.

The accessibility score for HW7 is 0 which is less than 75 and is therefore acceptable for the purposes of this study.

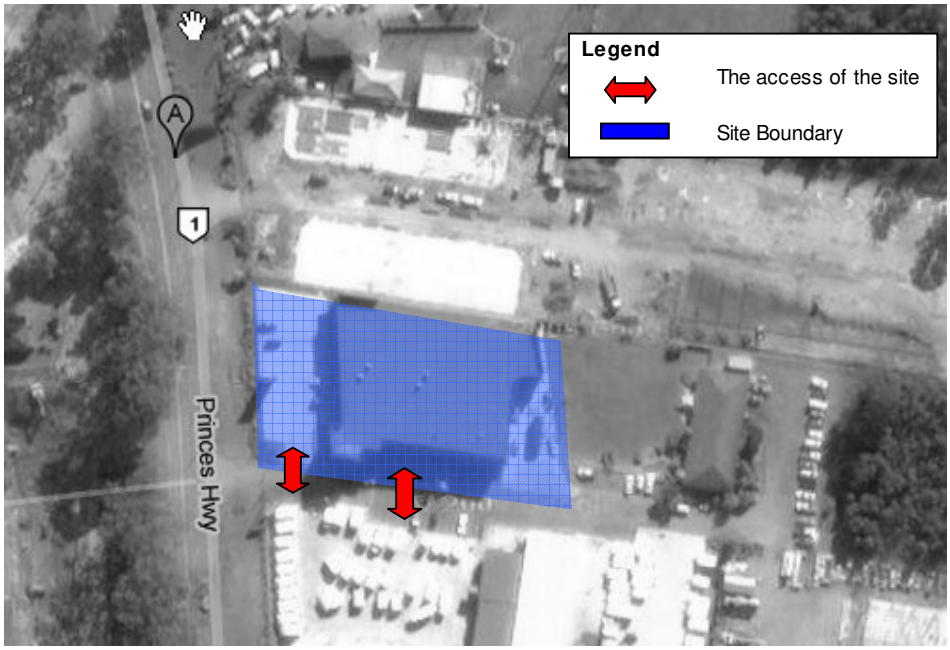

Figure 2-31 BG6 – Site Layout

Figure 2-32 BG6 – Site Layout

3 SURVEY RESULTS

Table 3-1 Survey Data Summary

Site ID	HW1	HW2	HW3	HW4	HW5
Automatic Traffic Counter					
RTA ATC	50.385	44.023	88.046	70.014	85.034
Year	2007	2005	2007	2007	2005
AM Peak - Weekdays	0800-0900	0700-0800	0800-0900	0800-0900	0800-0900
PM Peak - Weekdays	1700-1800	1600-1700	1500-1600	1700-1800	1600-1700
Peak - Weekends	1200-1300	1200-1300	1100-1200	1100-1200	1100-1200
Survey Results					
Date of Survey - Weekdays	12/03/09 (Thurs)	26/03/09 (Thurs)	19/03/09 (Thurs)	19/03/09 (Thurs)	19/03/09 (Thurs)
Weather	Sunny	Sunny	Sunny	Sunny	Sunny
Date of Survey - Weekend	14/03/09 (Sat)	28/03/09 (Sat)	21/03/09 (Sat)	21/03/09 (Sat)	21/03/09 (Sat)
Weather	Sunny	Sunny	Sunny	Sunny	Sunny

Site ID	HW6	HW7	HW8	HW9
Automatic Traffic Counter				
RTA ATC	05.512	N/A	N/A	93.229
Year	2004	2009 6/4-12/4	2009 18/3-24/3	2005
AM Peak - Weekdays	0800-0900	0900-1000	0800-0900	0800-0900
PM Peak - Weekdays	1600-1700	1600-1700	1500-1600	1600-1700
Peak - Weekends	1100-1200	1200-1300	1100-1200	1100-1200
Survey Results				
Date of Survey - Weekdays	12/03/09 (Thurs)	26/03/09 (Thurs)	26/03/09 (Thurs)	19/03/09 (Thurs)
Weather	Sunny	Sunny	Sunny/ Rain Evening	Sunny
Date of Survey - Weekend	14/03/09 (Sat)	28/03/09 (Sat)	28/03/09 (Sat)	21/03/09 (Sat)
Weather	Sunny/ Rain Evening	Sunny	Sunny	Sunny

Site ID	BG1	BG2	BG3	BG4	BG5	BG6
Automatic Traffic Counter						
RTA ATC	55.194	49.002	99.933	05.912	07.099	N/A
Year	2005	2007	2005	2004	2007	2009 18/3-24/3
AM Peak - Weekdays	0800-0900	0800-0900	0800-0900	0800-0900	0800-0900	0800-0900
PM Peak - Weekdays	1700-1800	1700-1800	1700-1800	1600-1700	1500-1600	1500-1600
Peak - Weekends	1200-1300	1200-1300	1100-1200	1200-1300	1100-1200	1100-1200
Survey Results						
Date of Survey - Weekdays	19/03/09 (Thurs)	12/03/09 (Thurs)	12/03/09 (Thurs)	12/03/09 (Thurs)	19/03/09 (Thurs)	26/03/09 (Thurs)
Weather	Sunny	Sunny	Sunny	Sunny/Cloudy	Sunny/Cloudy	Sunny
Date of Survey - Weekend	21/03/09 (Sat)	14/03/09 (Sat)	14/03/09 (Sat)	14/03/09 (Sat)	21/03/09 (Sat)	28/03/09 (Sat)
Weather	Sunny/Shower	Sunny	Sunny	Sunny/Cloudy	Sunny/Cloudy	Sunny

3.1 Traffic Survey Results

- The surveyors have tried their best to classify whether the people visiting the site are customers or are visiting the site for delivery purposes. As the surveyors did not interview all the drivers, the results might not accurately reflect the actual situation at the site.
- Light vehicles include cars, vans and utility vehicles (i.e. utes) while heavy vehicles include trucks only.
- The number of visitor cars parked outside the site is only recorded at the frontage of the site. Visitor cars parked beyond the direct frontage could not be accurately recorded.
- A number of sites do not have specific parking spaces for trucks. Such trucks may park in the aisle or across a number of car parking spaces.

3.1.1 HW1 – Bunnings at North Parramatta

Table 3-2 HW1 - Survey Results - 15 mins data (Thursday)

HW1			Time:7:00 to 21:00																									
Date: 12March2009			VEHICLES PARKED ON SITE						START		15	END		10		VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS visitors walk in and out)		VISITOR CARS OUTSIDE	
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS			VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS					
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
7:00	to	7:15	2	2	2	2	6	4	6	4	2	0	2	0		1	1	1	1	0	0	0	0	0	0	0	
7:15	to	7:30	2	1	2	1	6	4	8	5	1	2	1	2		0	0	0	0	1	0	1	0	0	0	0	
7:30	to	7:45	9	5	10	5	4	5	6	7	1	0	1	0		0	0	0	0	0	0	0	0	0	0	0	
7:45	to	8:00	16	5	19	5	7	4	9	5	1	2	3	4		0	0	0	0	0	1	0	1	1	3	0	
8:00	to	8:15	9	11	10	13	6	6	6	8	1	2	1	2		0	0	0	0	0	0	0	0	2	2	0	
8:15	to	8:30	15	5	16	6	3	4	3	4	2	1	2	1		0	0	0	0	0	0	0	0	0	0	0	
8:30	to	8:45	13	11	15	11	6	4	7	5	0	1	0	1		0	0	0	0	0	0	0	0	0	3	0	
8:45	to	9:00	18	11	19	11	4	4	4	4	3	0	3	0		0	0	0	0	0	0	0	0	1	2	0	
9:00	to	9:15	19	12	20	13	12	9	12	9	1	2	1	1		0	0	0	0	0	0	0	0	2	2	0	
9:15	to	9:30	18	10	20	10	5	6	5	6	0	3	0	3		0	0	0	0	0	0	0	0	0	1	0	
9:30	to	9:45	33	21	39	25	11	8	14	9	4	3	4	3		0	0	0	0	1	0	1	0	1	0	0	
9:45	to	10:00	32	28	36	31	10	10	10	11	4	1	4	1		1	1	1	1	0	0	0	0	0	0	0	
10:00	to	10:15	34	24	44	27	5	4	5	4	3	2	3	2		0	0	0	0	0	0	0	0	0	0	0	
10:15	to	10:30	27	30	32	36	9	13	11	16	5	2	6	2		0	0	0	0	2	0	3	0	1	0	0	
10:30	to	10:45	31	24	35	27	7	8	8	9	1	2	1	3		0	0	0	0	0	2	0	3	0	1	0	
10:45	to	11:00	38	34	42	42	9	6	9	6	1	3	1	3		0	0	0	0	0	0	0	0	3	0	0	
11:00	to	11:15	33	36	41	42	11	9	14	11	1	3	1	3		0	0	0	0	1	1	1	1	1	3	0	
11:15	to	11:30	26	33	37	44	7	7	9	8	2	3	2	3		0	0	0	0	0	0	0	0	1	0	0	
11:30	to	11:45	38	32	51	38	13	8	16	12	2	2	2	2		0	0	0	0	0	0	0	0	1	1	0	
11:45	to	12:00	29	31	36	40	17	12	20	13	1	2	1	2		0	0	0	0	0	0	0	0	3	0	0	
12:00	to	12:15	40	35	51	41	14	18	15	21	0	0	0	0	<	0	0	0	0	0	0	0	0	0	3	0	
12:15	to	12:30	37	36	43	45	6	12	6	14	1	0	1	0		0	0	0	0	0	0	0	0	0	0	0	
12:30	to	12:45	47	45	55	53	7	10	7	10	2	1	2	1		0	0	0	0	0	0	0	0	1	0	0	
12:45	to	13:00	19	24	25	28	8	3	8	3	2	1	3	1		0	0	0	0	0	0	0	0	0	0	0	
13:00	to	13:15	47	42	57	50	11	9	11	9	1	2	1	3		0	0	0	0	0	0	0	0	0	1	0	
13:15	to	13:30	32	50	33	63	11	17	11	17	2	4	2	4		0	0	0	0	1	0	1	0	1	1	0	
13:30	to	13:45	25	27	29	33	8	12	8	12	2	0	2	0		0	0	0	0	1	1	1	1	1	1	0	
13:45	to	14:00	41	33	53	43	8	11	8	11	0	2	0	2		0	0	0	0	1	1	1	1	0	1	0	
14:00	to	14:15	28	29	40	35	6	4	6	4	0	0	0	0		0	0	0	0	1	1	1	1	1	0	0	
14:15	to	14:30	46	39	58	50	9	10	11	10	1	0	1	0		0	0	0	0	0	1	0	1	0	1	0	
14:30	to	14:45	27	39	30	54	11	8	12	9	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	
14:45	to	15:00	35	39	42	49	7	10	7	12	0	1	0	1		1	0	1	0	0	0	0	0	0	0	0	
15:00	to	15:15	28	28	35	32	5	10	6	12	1	0	1	0	<	0	1	0	1	0	0	0	0	0	1	0	
15:15	to	15:30	34	29	46	35	7	4	8	6	1	0	1	0		0	0	0	0	0	0	0	0	2	0	0	
15:30	to	15:45	20	32	25	45	11	9	12	10	0	1	0	1		0	0	0	0	0	0	0	0	0	1	0	
15:45	to	16:00	29	33	44	39	5	3	5	3	0	0	0	0		2	2	3	2	0	1	0	1	0	0	0	
16:00	to	16:15	23	33	27	39	5	5	6	6	0	0	0	0		2	2	2	2	0	0	0	0	1	1	0	
16:15	to	16:30	19	24	27	41	5	10	6	14	0	0	0	0		0	0	0	0	0	0	0	0	1	0	0	
16:30	to	16:45	24	24	29	29	6	5	6	6	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	
16:45	to	17:00	27	22	39	27	7	4	8	4	1	0	1	0		0	0	0	0	0	0	0	0	0	0	0	
17:00	to	17:15	20	22	27	26	9	4	10	14	1	1	1	1		0	0	0	0	0	0	0	0	0	0	0	
17:15	to	17:30	19	24	25	33	6	5	6	5	0	1	0	1		0	0	0	0	0	0	0	0	5	0	0	
17:30	to	17:45	27	37	25	37	3	5	3	5	0	1	0	1		0	0	0	0	0	0	0	0	0	2	0	
17:45	to	18:00	13	16	21	20	6	5	8	5	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	
18:00	to	18:15	15	28	19	35	6	6	7	8	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	
18:15	to	18:30	17	22	28	26	4	3	6	4	0	0	0	0		0	0	0	0	0	0	0	0	1	2	0	
18:30	to	18:45	29	24	37	30	4	3	4	4	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	
18:45	to	19:00	15	23	23	25	4	8	6	8	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	
19:00	to	19:15	17	16	24	19	3	3	4	5	0	0	0	0		0	0	0	0	0	0	0	0	1	0	0	
19:15	to	19:30	23	35	14	36	6	4	9	6	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	
19:30	to	19:45	28	23	39	27	1	4	1	6	1	0	1	0		0	0	0	0	0	0	0	0	0	0	0	
19:45	to	20:00	8	13	15	31	3	3	6	3	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	
20:00	to	20:15	15	17	18	31	3	5	3	8	0	1	0	1		0	0	0	0	0	0	0	0	0	0	0	
20:15	to	20:30	9	10	13	18	1	3	2	4	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	
20:30	to	20:45	8	3	11	7	2	0	2	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	
20:45	to	21:00	1	2	2	5	1	2	2	3	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	
		Total	1334	1344	1655	1666	377	372	428	437	52	52	56	55		7	7	8	7	9	9	10	10	32	33	0	
		Peak	47	50	58	63	17	18	20	21	5	4	6	4		2	2	3	2	2	2	3	3	5	3	0	

< Customer Vehicle Data

< Service Vehicle and Pedestrian Data

Table 3-3 HW1 - Survey Results - hourly data (Thursday)

Hourly Data			Light Vehicle										Heavy Vehicle										All									
			Vehicle			Parking Accum.	Parking %	Person (Occupants)					Vehicle			Parking Accum.	Parking %	Person (Occupants)						Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)					
TIME			In	Out	Total	15	265	In	Out	Total	Accum.		In	Out	Total	0	5	In	Out	Total	Accum.		In	Out	Total	15	265	In	Out	Total	Accum.		
7:00	to	8:00	53	31	84	37	14%	63	35	98	28		6	5	11	1	20%	8	7	15	1		59	36	95	38	14%	72	45	117	27		
7:15	to	8:15	59	41	100	35	13%	70	49	119	23		5	7	12	0	0%	7	9	16	0		64	48	112	35	13%	80	63	143	21		
7:30	to	8:30	69	45	114	44	17%	79	53	132	32		5	6	11	1	20%	7	8	15	1		74	51	125	45	17%	89	66	155	31		
7:45	to	8:45	75	50	125	48	18%	85	57	142	38		4	7	11	0	0%	6	9	15	0		79	57	136	48	18%	94	74	168	33		
8:00	to	9:00	74	56	130	55	21%	80	62	142	46		6	4	10	3	60%	6	4	10	3		80	60	140	58	22%	89	73	162	43		
8:15	to	9:15	90	60	150	65	25%	96	63	159	56		6	4	10	2	40%	6	3	9	3		96	64	160	67	25%	105	73	178	53		
8:30	to	9:30	95	67	162	72	27%	102	69	171	65		4	6	10	-1	-20%	4	5	9	0		99	73	172	71	27%	109	82	191	58		
8:45	to	9:45	120	81	201	87	33%	133	87	220	84		9	8	17	1	20%	9	7	16	2		129	89	218	88	33%	146	99	245	80		
9:00	to	10:00	141	105	246	91	34%	157	115	272	88		10	9	19	4	80%	10	8	18	5		151	114	265	95	36%	170	126	296	87		
9:15	to	10:15	149	112	261	102	38%	174	124	298	106		12	9	21	5	100%	12	9	21	6		161	121	282	107	40%	187	134	321	106		
9:30	to	10:30	162	139	301	95	36%	192	160	352	97		19	8	27	10	200%	21	8	29	13		181	147	328	105	40%	215	168	383	105		
9:45	to	10:45	156	142	298	101	38%	182	162	344	104		15	9	24	7	140%	17	11	28	8		171	151	322	108	41%	200	174	374	106		
10:00	to	11:00	160	143	303	108	41%	186	167	353	107		12	11	23	5	100%	14	13	27	6		172	154	326	113	43%	204	181	385	110		
10:15	to	11:15	165	160	325	107	40%	192	189	381	109		11	13	24	3	60%	13	15	28	4		176	173	349	110	42%	210	208	418	108		
10:30	to	11:30	162	157	319	100	38%	195	189	384	103		6	14	20	2	40%	6	16	22	3		168	171	339	102	38%	206	209	415	102		
10:45	to	11:45	175	165	340	111	42%	219	203	422	120		7	12	19	2	40%	7	12	19	3		182	177	359	113	43%	232	219	451	119		
11:00	to	12:00	174	168	342	114	43%	224	208	432	123		7	11	18	1	20%	7	11	18	2		181	179	360	115	43%	237	223	460	124		
11:15	to	12:15	184	176	360	115	43%	235	217	452	127		5	7	12	1	20%	5	7	12	2		189	183	372	116	44%	245	228	473	125		
11:30	to	12:30	194	184	378	110	42%	238	224	462	117		4	4	8	2	40%	4	4	8	3		198	188	386	112	42%	246	232	478	116		
11:45	to	12:45	197	199	396	109	41%	233	237	470	116		4	3	7	3	60%	4	3	7	4		201	202	403	112	42%	241	243	484	117		
12:00	to	13:00	178	183	361	109	41%	210	215	425	118		5	2	7	4	80%	6	2	8	6		183	185	368	113	43%	217	220	437	121		
12:15	to	13:15	182	181	363	116	44%	212	212	424	127		6	4	10	3	60%	7	5	12	4		188	185	373	119	45%	220	218	438	127		
12:30	to	13:30	182	200	382	92	35%	207	233	440	91		8	8	16	2	40%	9	9	18	3		190	208	398	94	35%	218	244	462	90		
12:45	to	13:45	161	184	345	86	32%	182	215	397	83		9	8	17	4	80%	10	9	19	5		170	192	362	90	34%	194	227	421	84		
13:00	to	14:00	183	201	384	91	34%	210	238	448	90		8	10	18	2	40%	8	11	19	3		191	211	402	93	35%	220	253	473	88		
13:15	to	14:15	159	183	342	92	35%	188	218	406	97		8	9	17	2	40%	8	9	17	3		167	192	359	94	35%	199	230	429	96		
13:30	to	14:30	171	165	336	98	37%	213	198	411	106		6	6	12	2	40%	6	6	12	3		177	171	348	100	38%	221	207	428	104		
13:45	to	14:45	176	173	349	89	34%	218	216	434	85		3	5	8	2	40%	3	5	8	3		179	178	357	91	34%	222	223	445	83		
14:00	to	15:00	170	178	348	83	31%	207	223	430	74		2	3	5	1	20%	2	3	5	2		172	181	353	84	32%	210	227	437	71		
14:15	to	15:15	169	184	353	77	29%	202	229	431	70		2	2	4	2	40%	2	2	4	3		171	186	357	79	30%	204	233	437	67		
14:30	to	15:30	155	168	323	85	32%	187	210	397	83		2	1	3	3	60%	2	1	3	4		157	169	326	88	33%	191	212	403	83		
14:45	to	15:45	148	162	310	75	28%	182	202	384	65		2	2	4	2	40%	2	2	4	3		150	164	314	77	29%	186	206	392	63		
15:00	to	16:00	141	151	292	73	28%	184	185	369	73		2	2	4	1	20%	2	2	4	2		143	153	296	74	28%	188	189	377	70		
15:15	to	16:15	138	152	290	63	24%	178	187	365	61		1	2	3	1	20%	1	2	3	2		139	154	293	64	24%	182	191	373	58		
15:30	to	16:30	121	153	274	53	20%	157	201	358	39		0	2	2	1	20%	0	2	2	2		121	155	276	54	20%	159	205	364	37		
15:45	to	16:45	120	141	261	54	20%	155	181	336	39		0	1	1	1	20%	0	1	1	2		120	142	262	55	21%	157	183	340	37		
16:00	to	17:00	118	129	247	62	23%	150	168	318	55		1	0	1	2	40%	1	0	1	3		119	129	248	64	24%	153	169	322	54		
16:15	to	17:15	117	115	232	65	25%	152	161	313	52		2	1	3	2	40%	2	1	3	3		119	116	235	67	25%	155	162	317	51		
16:30	to	17:30	118	110	228	61	23%	150	144	294	45		2	2	4	1	20%	2	2	4	2		120	112	232	62	23%	157	146	303	48		
16:45	to	17:45	118	123	241	49	18%	143	151	294	31		2	3	5	0	0%	2	3	5	1		120	126	246	49	18%	150	156	306	31		
17:00	to	18:00	103	118	221	47	18%	125	145	270	35		1	3	4	0	0%	1	3	4	1		104	121	225	47	18%	131	150	281	35		
17:15	to	18:15	95	126	221	34	13%	114	148	262	18		0	2	2	0	0%	0	2	2	1		95	128	223	34	13%	119	152	271	18		
17:30	to	18:30	91	122	213	30	11%	117	140	257	22		0	1	1	0	0%	0	1	1	1		91	123	214	30	11%	118	145	263	21		
17:45	to	18:45	94	107	201	36	14%	130	132	262	29		0	0	0	0	0%	0	0	0	1		94	107	201	36	14%	131	134	265	28		
18:00	to	19:00	94	117	211	24	9%	130	140	270	25		0	0	0	0	0%	0	0	0	1		94	117	211	24	9%	131	142	273	24		
18:15	to	19:15	93	102	195	25	9%	132	121	253	29		0	0	0	0	0%	0	0	0	1		93	102	195	25	9%	134	123	257	29		
18:30	to	19:30	101	116	217	15	6%	121	133	254	10		0	0	0	0	0%	0	0	0	1		101	116	217	15	6%	122	133	255	10		
18:45	to	19:45	97	116	213	17	6%	120	132	252	17		1	0	1	1	20%	1	0	1	2		98	116	214	18	7%	122	132	254	18		
19:00	to	20:00	89	101	190	12	5%	112	133	245	4		1	0	1	1	20%	1	0	1	2		90	101	191	13	5%	114	133	247	5		
19:15	to	20:15	87	104	191	8	3%	105	148	253	-14		1	1	2	0	0%	1	1	2	1		88	105	193	8	3%	106	149	255	-14		
19:30	to	20:30	68	78	146	5	2%	97	128	225	-21		1	1	2	0	0%	1	1	2	1		69	79	148	5	2%	98	129	227	-21		
19:45	to	20:45	49	54	103	12	5%	70	102	172	-15		0	1	1	0	0%	0	1	1	1		49	55	104	12	5%	70	103	173	-15		
20:00	to	21:00	40	42	82	10	4%	53	76	129	-19		0	1	1	0	0%	0	1	1	1		40	43	83	10	4%	53	77	130	-19		
		Peak	197	201	396	116	44%	238	238	470	127		19	14	27	10	2	21	16	29	13		201	211	403	119	45%	246	253	484	127		

* AM network peak and PM network peak are highlighted.

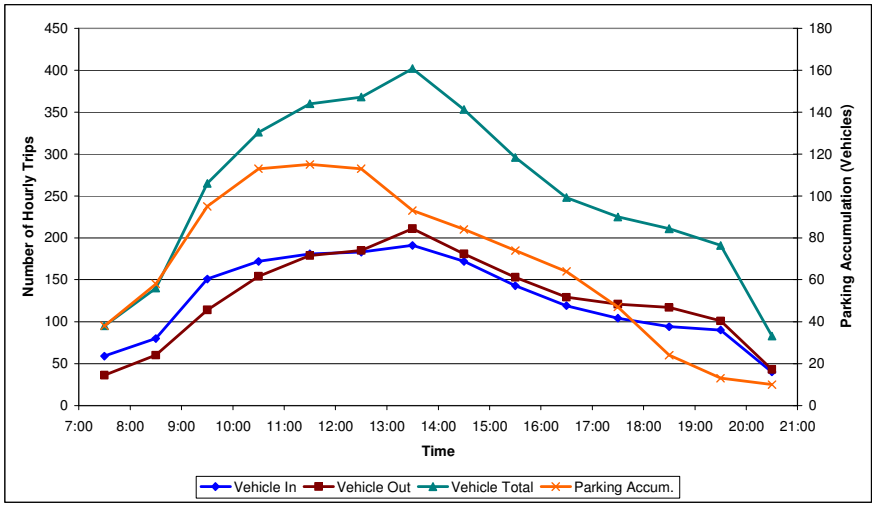

Figure 3-1 HW1 – Survey Results (Thursday) – Vehicle Trips

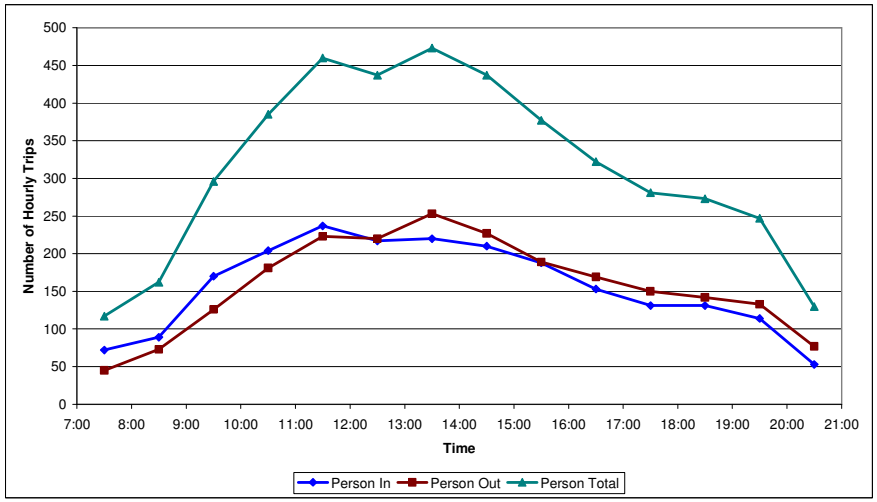

Figure 3-2 HW1 – Survey Results (Thursday) – Person Trips

Table 3-4 HW1 - Survey Results - 15 mins data (Saturday)

HW1			Time: 8:00 to 18:00																													
Date: 14March2009			VEHICLES PARKED ON SITE								START		C=26;T=2		END		C=34; T=1			VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS visitors walk in and out)		VISITOR CARS OUTSIDE		
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS						VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS							
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT					IN	OUT	IN	OUT	IN	OUT	IN	OUT						
8:00	to	8:15	28	9	35	14	9	4	14	5	0	1	0	1					0	0	0	0	0	0	0	0	0	0	0			
8:15	to	8:30	26	29	38	37	9	5	11	7	1	0	2	0					1	0	1	0	0	0	0	0	2	0	0			
8:30	to	8:45	37	22	48	27	10	6	11	8	0	2	0	3					0	1	0	1	0	0	0	0	0	0	0			
8:45	to	9:00	28	24	35	30	9	11	12	13	0	0	0	0					0	0	0	0	0	0	0	0	0	0	0			
9:00	to	9:15	40	19	58	25	9	9	13	11	0	0	0	0					0	0	0	0	0	0	0	0	1	0	0			
9:15	to	9:30	45	36	61	52	11	10	16	13	1	0	1	0					0	0	0	0	0	0	0	0	0	1	0			
9:30	to	9:45	49	39	72	56	16	7	22	9	1	1	1	1					1	0	1	0	0	0	0	0	0	0	0			
9:45	to	10:00	66	36	92	52	8	12	8	16	0	1	0	1					2	1	2	1	0	0	0	0	0	0	0			
10:00	to	10:15	44	41	60	58	8	8	13	9	0	0	0	0					1	1	2	1	0	0	0	0	1	1	0			
10:15	to	10:30	49	52	69	77	6	10	9	14	0	0	0	0					0	0	0	0	0	0	0	0	0	0	0			
10:30	to	10:45	56	53	82	71	15	8	19	14	1	1	2	2					0	0	0	0	0	0	0	0	0	0	0			
10:45	to	11:00	53	64	77	99	13	11	20	13	0	0	0	0					0	1	0	1	0	0	0	0	1	0	0			
11:00	to	11:15	80	50	116	73	13	14	20	24	0	0	0	0					1	1	1	2	0	0	0	0	0	0	0			
11:15	to	11:30	86	65	137	97	7	8	10	11	0	0	0	0					0	0	0	0	0	0	0	0	1	0	0			
11:30	to	11:45	68	66	111	92	12	14	13	18	1	0	2	0					0	1	0	1	1	0	1	0	1	0	0			
11:45	to	12:00	62	79	95	118	9	6	17	8	1	1	1	2					0	0	0	0	0	0	0	0	2	2	0			
12:00	to	12:15	75	69	121	102	7	16	8	25	1	1	1	1					0	0	0	0	0	0	0	0	1	1	0			
12:15	to	12:30	49	71	72	112	9	7	11	9	0	1	0	1					1	0	1	0	0	0	0	0	0	3	0			
12:30	to	12:45	64	61	98	96	6	7	7	8	0	0	0	0					1	1	1	1	0	0	0	0	1	0	0			
12:45	to	13:00	57	71	96	123	8	9	10	13	0	0	0	0					0	1	0	1	0	0	0	0	1	0	0			
13:00	to	13:15	45	68	69	111	14	3	17	3	0	0	0	0					0	0	0	0	0	0	0	0	0	1	0			
13:15	to	13:30	51	50	86	79	14	15	18	20	0	0	0	0					0	0	0	0	0	0	0	0	0	0	0			
13:30	to	13:45	67	56	104	85	7	14	7	19	0	0	0	0					0	0	0	0	0	0	0	0	0	2	0			
13:45	to	14:00	50	49	68	81	5	10	7	13	0	0	0	0					0	0	0	0	0	0	0	0	1	1	0			
14:00	to	14:15	50	66	84	91	9	4	16	7	0	0	0	0					0	0	0	0	0	0	0	0	0	4	0			
14:15	to	14:30	66	50	95	70	10	8	15	11	0	0	0	0					0	0	0	0	0	0	0	0	0	0	0			
14:30	to	14:45	48	81	49	85	13	8	18	9	0	0	0	0					0	0	0	0	1	0	2	0	5	1	0			
14:45	to	15:00	55	56	72	81	12	9	17	13	0	0	0	0					0	0	0	0	0	0	0	0	0	1	0			
15:00	to	15:15	58	56	91	90	5	10	8	16	1	0	1	0					0	0	0	0	0	1	0	2	0	0	0			
15:15	to	15:30	65	58	101	83	12	8	16	12	1	0	1	0					0	0	0	0	0	1	0	1	0	1	0			
15:30	to	15:45	57	51	69	76	8	10	10	17	0	0	0	0					0	0	0	0	0	0	0	0	1	1	0			
15:45	to	16:00	53	50	85	78	5	12	9	17	0	2	0	2					0	0	0	0	0	0	0	0	0	0	0			
16:00	to	16:15	73	32	115	72	4	7	8	8	0	0	0	0					0	0	0	0	0	0	0	0	4	0	0			
16:15	to	16:30	50	68	81	119	3	3	3	4	0	0	0	0					0	0	0	0	0	0	0	0	0	1	0			
16:30	to	16:45	53	60	90	94	6	4	8	5	0	0	0	0					1	0	3	0	0	0	0	0	0	1	0			
16:45	to	17:00	47	57	53	87	2	5	2	7	0	0	0	0					0	1	0	3	0	0	0	0	0	0	0			
17:00	to	17:15	39	67	53	96	4	3	5	4	0	0	0	0					0	0	0	0	0	0	0	0	0	0	0			
17:15	to	17:30	25	41	46	71	4	5	4	6	0	0	0	0					0	0	0	0	0	0	0	0	0	0	0			
17:30	to	17:45	19	41	30	41	1	2	1	2	1	0	1	0					0	0	0	0	0	0	0	0	0	0	0			
17:45	to	18:00	19	38	33	49	1	4	2	3	1	1	1	1					0	0	0	0	0	0	0	0	0	0	0			
		Total	2052	2051	3047	3050	333	326	455	444	11	12	14	15					9	9	12	12	2	2	3	3	23	22	0			
		Peak	86	81	137	123	16	16	22	25	1	2	2	3					2	1	3	3	1	1	2	2	5	4	0			

^ Customer Vehicle Data

^ Service Vehicle and Pedestrian Data

Table 3-5 HW1 - Survey Results - hourly data (Saturday)

Light Vehicle

Hourly Data			Vehicle			Parking Accum.	Parking %	Person (Occupants)			
TIME			In	Out	Total	26	265	In	Out	Total	Accum.
8:00	to	9:00	157	111	268	72	27%	205	142	347	63
8:15	to	9:15	169	126	295	93	35%	227	159	386	98
8:30	to	9:30	189	138	327	103	39%	254	180	434	110
8:45	to	9:45	208	155	363	123	46%	290	209	499	140
9:00	to	10:00	247	169	416	150	57%	345	235	580	173
9:15	to	10:15	251	191	442	153	58%	349	267	616	180
9:30	to	10:30	250	207	457	146	55%	350	293	643	167
9:45	to	10:45	255	222	477	156	59%	356	313	669	183
10:00	to	11:00	245	249	494	146	55%	351	357	708	167
10:15	to	11:15	286	264	550	175	66%	413	388	801	205
10:30	to	11:30	324	275	599	195	74%	482	405	887	244
10:45	to	11:45	333	295	628	194	73%	505	431	936	257
11:00	to	12:00	338	304	642	180	68%	520	444	964	243
11:15	to	12:15	326	324	650	177	67%	512	472	984	245
11:30	to	12:30	292	329	621	158	60%	449	485	934	208
11:45	to	12:45	283	317	600	160	60%	431	479	910	209
12:00	to	13:00	277	313	590	144	54%	425	490	915	178
12:15	to	13:15	254	299	553	132	50%	382	477	859	150
12:30	to	13:30	260	286	546	132	50%	402	455	857	155
12:45	to	13:45	263	287	550	136	51%	407	454	861	162
13:00	to	14:00	253	265	518	132	50%	376	411	787	143
13:15	to	14:15	253	264	517	121	46%	390	395	785	145
13:30	to	14:30	264	257	521	139	52%	396	377	773	174
13:45	to	14:45	251	276	527	111	42%	352	367	719	147
14:00	to	15:00	263	282	545	113	43%	366	367	733	142
14:15	to	15:15	267	278	545	110	42%	365	375	740	135
14:30	to	15:30	268	286	554	121	46%	372	389	761	157
14:45	to	15:45	272	258	530	125	47%	384	388	772	143
15:00	to	16:00	263	255	518	121	46%	389	389	778	142
15:15	to	16:15	277	228	505	159	60%	413	363	776	185
15:30	to	16:30	253	233	486	141	53%	380	391	771	146
15:45	to	16:45	248	236	484	137	52%	402	397	799	148
16:00	to	17:00	239	237	476	123	46%	363	399	762	106
16:15	to	17:15	205	268	473	96	36%	298	419	717	64
16:30	to	17:30	181	243	424	79	30%	264	373	637	37
16:45	to	17:45	141	222	363	56	21%	194	317	511	25
17:00	to	18:00	112	201	313	34	13%	174	272	446	8
		Peak	338	329	650	195	74%	520	490	984	257

Heavy Vehicle

Hourly Data			Vehicle			Parking Accum.	Parking %	Person (Occupants)			
TIME			In	Out	Total	2	5	In	Out	Total	Accum.
8:00	to	9:00	1	3	4	0	0%	2	4	6	-2
8:15	to	9:15	1	2	3	0	0%	2	3	5	-2
8:30	to	9:30	1	2	3	1	20%	1	3	4	-1
8:45	to	9:45	2	1	3	1	20%	2	1	3	-1
9:00	to	10:00	2	2	4	0	0%	2	2	4	-2
9:15	to	10:15	2	2	4	0	0%	2	2	4	-2
9:30	to	10:30	1	2	3	0	0%	1	2	3	-2
9:45	to	10:45	1	2	3	0	0%	2	3	5	-2
10:00	to	11:00	1	1	2	0	0%	2	2	4	-2
10:15	to	11:15	1	1	2	0	0%	2	2	4	-2
10:30	to	11:30	1	1	2	0	0%	2	2	4	-2
10:45	to	11:45	2	0	2	2	40%	3	0	3	1
11:00	to	12:00	3	1	4	2	40%	4	2	6	0
11:15	to	12:15	4	2	6	2	40%	5	3	8	0
11:30	to	12:30	4	3	7	1	20%	5	4	9	-1
11:45	to	12:45	2	3	5	1	20%	2	4	6	-1
12:00	to	13:00	1	2	3	1	20%	1	2	3	-1
12:15	to	13:15	0	1	1	1	20%	0	1	1	-1
12:30	to	13:30	0	0	0	1	20%	0	0	0	-1
12:45	to	13:45	0	0	0	1	20%	0	0	0	-1
13:00	to	14:00	0	0	0	1	20%	0	0	0	-1
13:15	to	14:15	0	0	0	1	20%	0	0	0	-1
13:30	to	14:30	0	0	0	1	20%	0	0	0	-1
13:45	to	14:45	1	0	1	2	40%	2	0	2	1
14:00	to	15:00	1	0	1	2	40%	2	0	2	1
14:15	to	15:15	2	1	3	2	40%	3	2	5	0
14:30	to	15:30	3	2	5	2	40%	4	3	7	0
14:45	to	15:45	2	2	4	2	40%	2	3	5	0
15:00	to	16:00	2	4	6	0	0%	2	5	7	-2
15:15	to	16:15	1	3	4	0	0%	1	3	4	-2
15:30	to	16:30	0	2	2	0	0%	0	2	2	-2
15:45	to	16:45	0	2	2	0	0%	0	2	2	-2
16:00	to	17:00	0	0	0	0	0%	0	0	0	-2
16:15	to	17:15	0	0	0	0	0%	0	0	0	-2
16:30	to	17:30	0	0	0	0	0%	0	0	0	-2
16:45	to	17:45	1	0	1	1	20%	1	0	1	-1
17:00	to	18:00	2	1	3	1	20%	2	1	3	-1
		Peak	4	4	7	2	0.4	5	5	9	1

All

Hourly Data			Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)			
TIME			In	Out	Total	28	265	In	Out	Total	Accum.
8:00	to	9:00	158	114	272	72	27%	209	146	355	63
8:15	to	9:15	170	128	298	93	35%	232	162	394	99
8:30	to	9:30	190	140	330	104	39%	256	184	440	111
8:45	to	9:45	210	156	366	124	47%	293	211	504	141
9:00	to	10:00	249	171	420	150	57%	348	238	586	173
9:15	to	10:15	253	193	446	153	58%	352	271	623	180
9:30	to	10:30	251	209	460	146	55%	352	296	648	167
9:45	to	10:45	256	224	480	156	59%	359	317	676	183
10:00	to	11:00	246	250	496	146	55%	355	360	715	168
10:15	to	11:15	287	265	552	175	66%	416	390	806	206
10:30	to	11:30	325	276	601	195	74%	486	407	893	246
10:45	to	11:45	335	295	630	196	74%	511	431	942	263
11:00	to	12:00	341	305	646	182	69%	528	448	976	248
11:15	to	12:15	330	326	656	179	68%	522	478	1000	250
11:30	to	12:30	296	332	628	159	60%	458	495	953	209
11:45	to	12:45	285	320	605	161	61%	437	489	926	211
12:00	to	13:00	278	315	593	145	55%	429	496	925	181
12:15	to	13:15	254	300	554	133	50%	384	482	866	152
12:30	to	13:30	260	286	546	133	50%	404	456	860	157
12:45	to	13:45	263	287	550	137	52%	408	457	865	162
13:00	to	14:00	253	265	518	133	50%	377	415	792	143
13:15	to	14:15	253	264	517	122	46%	391	402	793	141
13:30	to	14:30	264	257	521	140	53%	397	384	781	170
13:45	to	14:45	252	276	528	113	43%	360	373	733	149
14:00	to	15:00	264	282	546	115	43%	373	373	746	143
14:15	to	15:15	269	279	548	112	42%	373	379	752	135
14:30	to	15:30	271	288	559	123	46%	381	395	776	156
14:45	to	15:45	274	260	534	127	48%	387	394	781	142
15:00	to	16:00	265	259	524	121	46%	392	396	788	139
15:15	to	16:15	278	231	509	159	60%	419	368	787	186
15:30	to	16:30	253	235	488	141	53%	385	395	780	146
15:45	to	16:45	248	238	486	137	52%	406	401	807	147
16:00	to	17:00	239	237	476	123	46%	367	401	768	105
16:15	to	17:15	205	268	473	96	36%	298	421	719	63
16:30	to	17:30	181	243	424	79	30%	264	374	638	36
16:45	to	17:45	142	222	364	57	22%	195	317	512	25
17:00	to	18:00	114	202	316	35	13%	176	273	449	8
		Peak	341	332	656	196	74%	528	496	1000	263

* Network peak is highlighted.

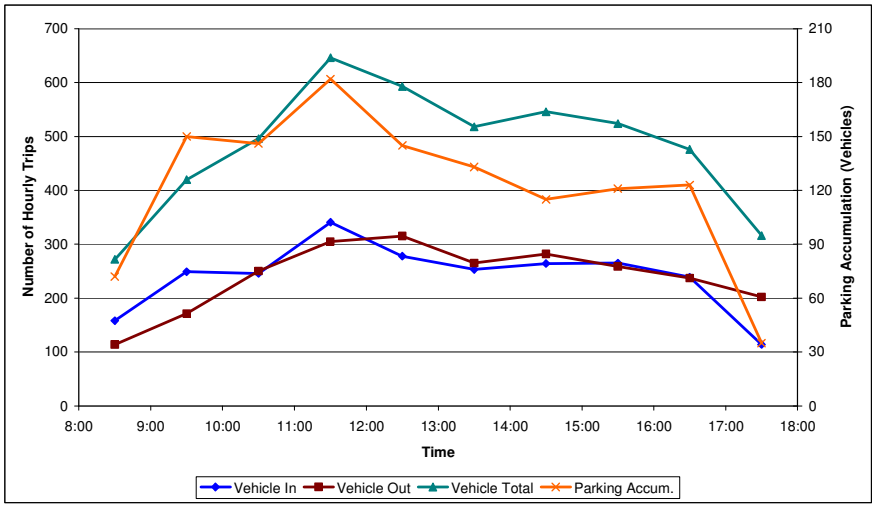

Figure 3-3 HW1 – Survey Results (Saturday) – Vehicle Trips

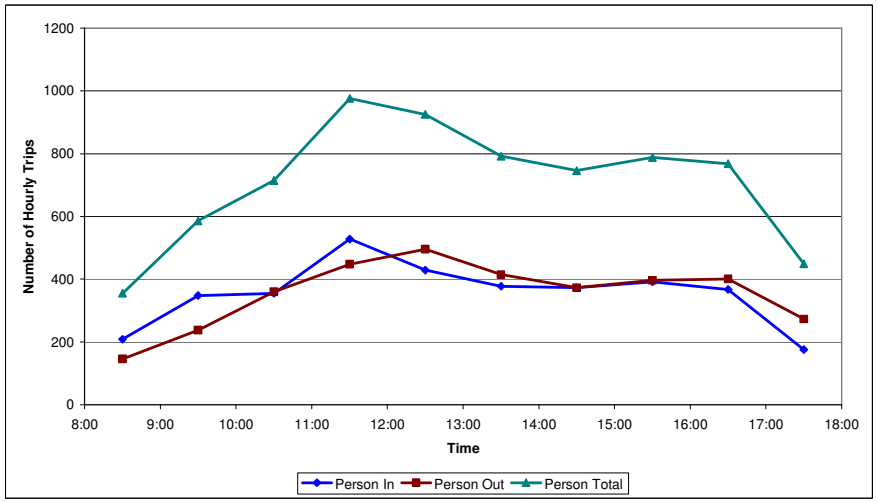

Figure 3-4 HW1 – Survey Results (Saturday) – Person Trips

3.1.2 HW2 – Bunnings at Bankstown Airport

Table 3-6 HW2 - Survey Results - 15 mins data (Thursday)

HW2			Time:7:00 to 21:00																							
DATE: 26 March 2009			VEHICLES PARKED ON SITE				START		26	END		35			VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS visitors walk in and out)		VISITOR CARS OUTSIDE	
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS					
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
7:00	to	7:15	3	1	4	1	5	2	5	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
7:15	to	7:30	2	5	3	6	1	4	2	4	1	1	1	1	1	2	1	2	0	1	0	1	0	0	0	
7:30	to	7:45	14	3	14	3	10	6	10	6	1	1	1	1	2	1	2	3	0	0	0	0	0	1	0	
7:45	to	8:00	4	4	5	4	2	3	2	3	0	0	0	0	0	2	0	2	0	1	0	1	0	0	0	
8:00	to	8:15	9	3	10	3	6	5	8	5	1	1	1	1	3	0	4	0	0	0	0	0	0	0	0	
8:15	to	8:30	9	4	9	5	4	10	4	12	3	0	4	0	1	0	1	0	1	0	1	0	0	1	0	
8:30	to	8:45	14	4	16	4	6	5	7	7	1	2	1	3	5	1	6	1	0	0	0	0	0	1	0	
8:45	to	9:00	19	10	21	10	13	11	15	13	1	0	1	0	0	3	0	4	1	1	1	1	2	1	0	
9:00	to	9:15	22	13	24	17	19	5	21	6	0	1	0	1	4	2	4	3	1	1	1	1	0	0	0	
9:15	to	9:30	30	14	36	15	14	13	14	14	1	3	1	4	2	1	2	1	1	0	1	0	0	0	0	
9:30	to	9:45	25	17	32	20	11	16	11	17	2	0	2	0	8	5	14	5	3	1	4	1	0	0	0	
9:45	to	10:00	30	28	34	32	7	12	9	13	1	1	1	1	3	3	4	4	0	1	0	1	0	0	0	
10:00	to	10:15	39	38	46	55	10	7	12	8	1	1	2	1	7	4	10	4	2	3	2	3	0	0	0	
10:15	to	10:30	43	42	56	54	15	6	17	7	2	1	4	1	3	5	4	6	0	0	0	0	0	0	0	
10:30	to	10:45	43	28	52	35	6	13	6	15	1	2	1	2	3	2	3	2	2	1	2	1	0	1	0	
10:45	to	11:00	33	29	46	42	15	17	16	21	4	2	5	2	9	4	10	6	0	1	0	1	3	1	0	
11:00	to	11:15	36	37	44	51	9	7	9	7	0	1	0	1	2	5	2	5	0	0	0	0	0	0	0	
11:15	to	11:30	43	29	52	35	8	15	8	16	0	0	0	0	1	2	1	2	2	2	2	2	0	0	0	
11:30	to	11:45	47	47	60	62	9	8	11	12	1	0	1	0	2	3	2	3	0	1	0	1	1	0	0	^
11:45	to	12:00	38	31	43	36	8	11	8	13	0	1	0	1	3	5	3	5	1	2	1	2	0	1	0	
12:00	to	12:15	38	45	45	56	5	12	7	14	0	0	0	0	3	2	4	2	0	1	0	1	0	0	0	
12:15	to	12:30	36	39	40	52	6	14	7	14	0	1	0	1	1	1	1	1	1	0	1	0	0	0	0	
12:30	to	12:45					B	R	E	A	K															
12:45	to	13:00																								
13:00	to	13:15	30	36	38	42	10	7	12	8	0	0	0	0	1	2	1	2	2	0	2	0	0	0	0	
13:15	to	13:30	28	30	31	38	7	10	9	12	1	0	1	0	1	1	1	1	0	2	0	2	0	0	0	
13:30	to	13:45	36	28	38	30	12	8	14	8	2	1	2	1	1	2	1	2	1	0	1	0	1	0	0	
13:45	to	14:00	29	31	30	32	8	11	9	12	0	2	0	2	2	2	3	2	0	1	0	1	0	1	0	
14:00	to	14:15	25	29	31	30	8	9	9	9	1	0	1	0	0	2	0	3	0	0	0	0	0	0	0	
14:15	to	14:30	38	25	39	30	5	7	7	8	2	1	2	1	1	0	1	0	0	0	0	0	0	0	0	
14:30	to	14:45	29	34	37	40	7	11	8	12	0	1	0	1	3	1	3	1	1	1	2	1	0	0	0	
14:45	to	15:00	25	29	28	36	7	8	7	10	1	2	1	3	5	2	6	2	1	1	2	2	0	0	0	
15:00	to	15:15	29	35	36	42	13	9	13	10	1	2	1	2	0	0	0	0	2	0	2	0	0	0	0	
15:15	to	15:30	26	26	31	31	7	6	7	6	0	1	0	1	1	2	1	2	0	0	0	0	0	0	0	
15:30	to	15:45	24	25	30	32	4	9	6	9	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
15:45	to	16:00	34	26	49	35	12	8	13	9	1	1	1	1	2	1	4	1	0	0	0	0	0	0	0	
16:00	to	16:15	28	32	31	44	11	12	14	12	0	1	0	1	1	2	3	2	0	1	0	1	0	0	0	
16:15	to	16:30	26	28	33	36	9	9	10	9	2	0	3	0	0	1	0	1	0	0	0	0	0	0	0	
16:30	to	16:45	12	31	13	38	8	5	11	5	1	0	1	0	5	0	6	0	1	0	1	0	0	0	0	
16:45	to	17:00	22	20	24	26	8	10	9	12	0	0	0	0	2	1	2	1	0	0	0	0	0	1	0	
17:00	to	17:15	20	26	26	38	5	7	5	8	1	0	1	0	3	4	3	4	0	2	0	2	0	0	0	
17:15	to	17:30	29	29	46	46	6	7	7	10	1	1	2	2	0	0	0	0	2	0	2	0	0	0	0	
17:30	to	17:45	24	26	39	32	7	6	9	8	1	1	1	1	1	1	2	1	0	0	0	0	0	0	0	
17:45	to	18:00	19	22	25	34	5	3	7	6	1	1	1	1	3	0	3	0	0	0	0	0	0	0	0	
18:00	to	18:15	25	35	34	48	6	11	9	14	0	0	0	0	5	3	7	3	0	1	0	1	0	1	0	
18:15	to	18:30	24	28	52	36	9	6	10	6	0	0	0	0	1	1	2	1	0	0	0	0	0	0	0	
18:30	to	18:45	22	24	26	42	8	9	9	10	1	0	1	0	0	8	0	12	0	0	0	0	0	0	0	
18:45	to	19:00	18	23	20	26	6	7	7	8	0	1	0	1	1	4	3	5	1	0	1	0	0	0	0	
19:00	to	19:15	15	17	18	20	5	7	8	10	1	0	3	0	1	2	1	3	0	0	0	0	0	0	0	
19:15	to	19:30	11	18	15	18	3	5	4	8	0	1	0	2	2	1	2	2	0	0	0	0	0	0	0	
19:30	to	19:45	12	14	16	16	5	3	6	4	1	0	1	0	0	4	0	4	1	0	1	0	0	0	0	
19:45	to	20:00	18	15	21	19	8	2	9	2	0	1	0	1	0	5	0	8	0	0	0	0	0	1	0	
20:00	to	20:15	16	17	18	22	2	9	4	12	1	0	1	0	0	3	0	4	1	0	1	0	0	0	0	
20:15	to	20:30	18	16	20	18	0	2	0	4	1	1	1	1	0	3	0	5	0	1	0	2	0	1	0	
20:30	to	20:45	13	20	15	24	2	0	2	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	
20:45	to	21:00	11	12	13	16	1	2	1	2	0	1	0	1	2	2	2	2	0	1	0	1	0	4	0	
		Total	1313	1278	1615	1615	403	427	464	492	44	39	53	44	107	115	135	137	28	28	31	30	7	16	0	
		Peak	47	47	60	62	19	17	21	21	4	3	5	4	9	8	14	12	3	3	4	3	3	4	0	

^ Customer Vehicle Data

^ Service Vehicle and Pedestrian Data

Table 3-7 HW2 - Survey Results - hourly data (Thursday)

Hourly Data			Light Vehicle												Heavy Vehicle												All									
			Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)										
TIME			In	Out	Total	26	472	In	Out	Total	Accum.	In	Out	Total	0	0	In	Out	Total	Accum.	In	Out	Total	26	472	In	Out	Total	Accum.							
7:00	to	8:00	44	33	77	37	8%	48	36	84	12	3	4	7	-1	#DIV/0!	3	4	7	-1	47	37	84	36	8%	51	41	92	10							
7:15	to	8:15	54	38	92	47	10%	61	41	102	26	3	5	8	-1	#DIV/0!	3	5	8	-1	57	43	100	46	10%	64	47	111	24							
7:30	to	8:30	64	41	105	47	10%	69	46	115	23	6	3	9	3	#DIV/0!	7	3	10	4	70	44	114	50	11%	76	51	127	25							
7:45	to	8:45	63	41	104	62	13%	72	46	118	40	6	4	10	2	#DIV/0!	7	5	12	2	69	45	114	64	14%	79	53	132	39							
8:00	to	9:00	89	56	145	70	15%	101	64	165	49	8	4	12	3	#DIV/0!	9	5	14	3	97	60	157	73	15%	112	72	184	50							
8:15	to	9:15	116	68	184	95	20%	128	82	210	72	8	5	13	2	#DIV/0!	9	6	15	2	124	73	197	97	21%	139	91	230	72							
8:30	to	9:30	148	82	230	113	24%	166	95	261	94	6	8	14	1	#DIV/0!	6	10	16	0	154	90	244	114	24%	174	107	281	92							
8:45	to	9:45	167	110	277	119	25%	194	125	319	109	10	7	17	5	#DIV/0!	11	8	19	5	177	117	294	124	26%	207	134	341	112							
9:00	to	10:00	175	129	304	116	25%	205	147	352	107	9	8	17	4	#DIV/0!	10	9	19	4	184	137	321	120	25%	215	156	371	109							
9:15	to	10:15	186	158	344	123	26%	224	188	412	108	11	10	21	3	#DIV/0!	13	11	24	4	197	168	365	126	27%	237	199	436	110							
9:30	to	10:30	201	183	384	131	28%	249	225	474	118	11	8	19	4	#DIV/0!	15	8	23	7	212	191	403	135	29%	264	233	497	123							
9:45	to	10:45	209	188	397	140	30%	253	235	488	127	9	10	19	4	#DIV/0!	12	10	22	7	218	198	416	144	31%	265	246	511	131							
10:00	to	11:00	226	195	421	147	31%	278	255	533	130	12	11	23	5	#DIV/0!	16	11	27	9	238	206	444	152	32%	297	268	565	138							
10:15	to	11:15	217	195	412	145	31%	265	251	516	122	9	8	17	4	#DIV/0!	12	8	20	8	226	203	429	149	32%	280	261	541	129							
10:30	to	11:30	208	188	396	151	32%	249	237	486	130	9	9	18	4	#DIV/0!	10	9	19	8	217	197	414	155	33%	262	248	510	137							
10:45	to	11:45	214	203	417	151	32%	261	262	523	126	7	7	14	4	#DIV/0!	8	7	15	8	221	210	431	155	33%	273	270	543	134							
11:00	to	12:00	206	200	406	153	32%	243	247	490	126	4	7	11	2	#DIV/0!	4	7	11	6	210	207	417	155	33%	248	255	503	131							
11:15	to	12:15	205	210	415	140	30%	244	256	500	110	4	7	11	1	#DIV/0!	4	7	11	5	209	217	426	141	30%	249	264	513	114							
11:30	to	12:30	196	218	414	129	27%	231	270	501	91	3	6	9	1	#DIV/0!	3	6	9	5	199	224	423	130	28%	235	277	512	95							
11:45	to	12:45	138	160	298	129	27%	158	193	351	91	2	5	7	1	#DIV/0!	2	5	7	5	140	165	305	130	28%	160	199	359	95							
12:00	to	13:00	89	113	202	129	27%	104	139	243	91	1	2	3	1	#DIV/0!	1	2	3	5	90	115	205	130	28%	105	141	246	95							
12:15	to	13:15	84	99	183	125	26%	99	119	218	90	3	1	4	3	#DIV/0!	3	1	4	7	87	100	187	128	27%	102	120	222	96							
12:30	to	13:30	77	86	163	120	25%	92	103	195	80	3	2	5	2	#DIV/0!	3	2	5	6	80	88	168	122	26%	95	105	200	85							
12:45	to	13:45	126	124	250	131	28%	145	143	288	93	6	3	9	4	#DIV/0!	6	3	9	8	132	127	259	135	29%	152	146	298	101							
13:00	to	14:00	165	168	333	126	27%	187	189	376	89	6	6	12	1	#DIV/0!	6	6	12	5	171	174	345	127	27%	194	196	390	93							
13:15	to	14:15	157	163	320	119	25%	176	179	355	87	5	6	11	2	#DIV/0!	5	6	11	6	162	169	331	121	26%	182	186	368	92							
13:30	to	14:30	165	154	319	131	28%	182	166	348	96	6	5	11	3	#DIV/0!	6	5	11	7	171	159	330	134	28%	189	172	361	102							
13:45	to	14:45	155	162	317	124	26%	177	179	356	91	4	6	10	2	#DIV/0!	5	6	11	7	159	168	327	126	27%	182	186	368	97							
14:00	to	15:00	153	157	310	122	26%	176	181	357	84	6	6	12	1	#DIV/0!	8	8	16	5	159	163	322	123	26%	184	189	373	88							
14:15	to	15:15	162	161	323	120	25%	185	191	376	81	8	8	16	2	#DIV/0!	10	10	20	6	170	169	339	122	26%	195	201	396	86							
14:30	to	15:30	152	163	315	120	25%	177	192	369	81	6	8	14	1	#DIV/0!	8	10	18	5	158	171	329	121	26%	185	202	387	85							
14:45	to	15:45	141	151	292	114	24%	165	180	345	76	6	6	12	2	#DIV/0!	7	8	15	6	147	157	304	116	25%	172	188	360	81							
15:00	to	16:00	152	147	299	127	27%	190	177	367	97	5	4	9	2	#DIV/0!	5	4	9	6	157	151	308	129	27%	195	181	376	102							
15:15	to	16:15	150	149	299	121	26%	189	183	372	87	2	4	6	0	#DIV/0!	2	4	6	4	152	153	305	121	26%	191	187	378	90							
15:30	to	16:30	151	153	304	118	25%	193	190	383	84	4	3	7	2	#DIV/0!	5	3	8	7	155	156	311	120	25%	198	193	391	90							
15:45	to	16:45	148	155	303	107	23%	187	192	379	71	5	3	8	4	#DIV/0!	6	3	9	9	153	158	311	111	24%	193	195	388	79							
16:00	to	17:00	132	151	283	108	23%	156	186	342	67	4	2	6	4	#DIV/0!	5	2	7	9	136	153	289	112	24%	161	189	350	74							
16:15	to	17:15	120	142	262	99	21%	142	178	320	51	5	2	7	3	#DIV/0!	6	2	8	8	125	144	269	102	22%	148	181	329	57							
16:30	to	17:30	120	140	260	98	21%	152	188	340	48	6	3	9	5	#DIV/0!	7	4	11	10	126	143	269	103	22%	159	193	352	56							
16:45	to	17:45	127	137	264	97	21%	172	186	358	57	5	4	9	5	#DIV/0!	6	5	11	10	132	141	273	102	22%	178	192	370	65							
17:00	to	18:00	122	131	253	99	21%	172	187	359	52	6	5	11	5	#DIV/0!	7	6	13	10	128	136	264	104	22%	179	193	372	60							
17:15	to	18:15	130	143	273	86	18%	188	202	390	37	5	4	9	4	#DIV/0!	6	5	11	9	135	147	282	90	19%	194	208	402	43							
17:30	to	18:30	129	142	271	85	18%	199	189	388	58	2	3	5	4	#DIV/0!	2	3	5	9	131	145	276	89	19%	201	193	394	64							
17:45	to	18:45	127	150	277	74	16%	184	212	396	29	2	2	4	5	#DIV/0!	2	2	4	10	129	152	281	79	17%	186	215	401	36							
18:00	to	19:00	125	159	284	65	14%	179	211	390	20	2	2	4	5	#DIV/0!	2	2	4	10	127	161	288	70	15%	181	214	395	27							
18:15	to	19:15	110	136	246	60	13%	156	179	335	14	3	1	4	6	#DIV/0!	5	1	6	13	113	137	250	66	14%	161	180	341	24							
18:30	to	19:30	92	125	217	52	11%	113	164	277	7	3	2	5	5	#DIV/0!	5	3	8	11	95	127	222	57	12%	118	167	285	15							
18:45	to	19:45	79	105	184	48	10%	100	124	224	5	4	2	6	7	#DIV/0!	6	3	9	13	83	107	190	55	12%	106	127	233	15							
19:00	to	20:00	80	93	173	52	11%	100	114	214	6	3	2	5	6	#DIV/0!	5	3	8	12	83	95	178	58	12%	105	118	223	14							
19:15	to	20:15	77	96	173	41	9%	95	119	214	-10	4	2	6	8	#DIV/0!	4	3	7	14	81	98	179	49	10%	99	123	222	0							
19:30	to	20:30	79	93	172	38	8%	94	118	212	-17	5	3	8	7	#DIV/0!	5	4	9	12	84	96	180	45	10%	99	124	223	-10							
19:45	to	20:45	77	94	171	31	7%	89	120	209	-26	3	3	6	7	#DIV/0!	3	4	7	12	80	97	177	38	8%	92	126	218	-19							
20:00	to	21:00	65	88	153	29	6%	75	111	186	-30	3	4	7	5	#DIV/0!	3	5	8	10	68	92	160	34	7%	78	121	199	-29							
		Peak	226	218	421	153	32%	278	270	533	130	12	11	23	8	#DIV/0!	16	11	27	14	238	224	444	155	33%	297	277	565	138							

* AM network peak and PM network peak are highlighted.

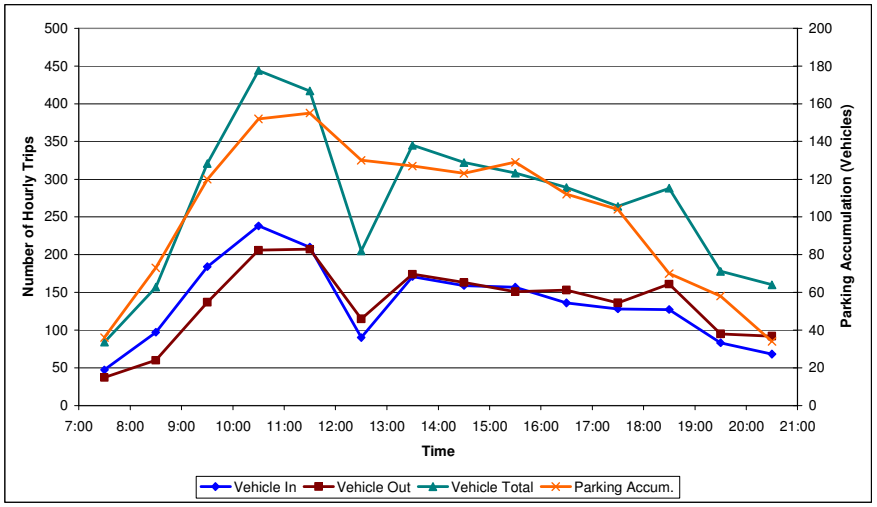

Figure 3-5 HW2 – Survey Results (Thursday) – Vehicle Trips

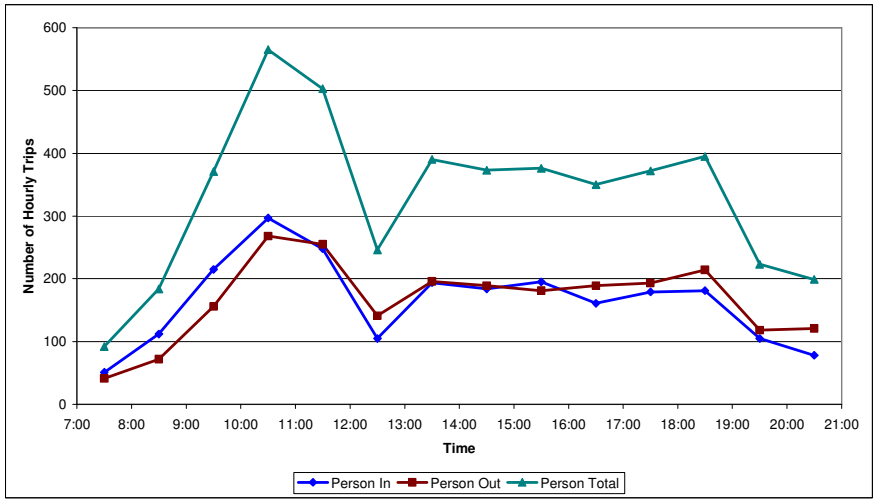

Figure 3-6 HW2 – Survey Results (Thursday) – Person Trips

Table 3-8 HW2 - Survey Results - 15 mins data (Saturday)

HW2			Time:8:00 to 18:00																							
DATE: 28 March 2009			VEHICLES PARKED ON SITE						START	48	END	75			VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS visitors walk in and out)		VISITOR CARS
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS				
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	OUTSIDE
8:00	to	8:15	18	8	21	8	4	4	6	4	0	0	0	0	2	2	2	2	0	0	0	0	0	0	0
8:15	to	8:30	21	16	27	20	7	7	8	8	1	0	1	0	3	4	3	4	1	0	1	0	0	0	0
8:30	to	8:45	41	20	54	25	9	8	12	12	1	1	1	2	7	1	9	1	0	0	0	0	0	0	0
8:45	to	9:00	26	24	37	32	13	10	16	12	1	1	1	1	1	6	1	7	0	0	0	0	0	0	0
9:00	to	9:15	60	37	79	50	16	11	23	14	0	1	0	2	6	3	9	4	1	0	1	0	1	0	0
9:15	to	9:30	37	32	45	41	14	8	15	10	1	1	1	1	5	2	5	3	2	0	2	0	0	0	0
9:30	to	9:45	60	28	93	40	8	8	10	14	0	0	0	0	2	0	2	0	0	0	0	0	1	0	0
9:45	to	10:00	71	36	106	52	11	10	13	12	0	1	0	1	8	4	12	4	0	0	0	0	0	0	0
10:00	to	10:15	70	44	101	70	10	12	14	18	1	0	1	0	7	2	14	4	1	0	1	0	0	0	0
10:15	to	10:30	68	47	98	65	15	9	18	16	0	0	0	0	4	4	4	6	0	0	0	0	1	0	0
10:30	to	10:45	72	42	103	62	12	10	14	12	0	1	0	1	3	5	4	8	1	2	1	2	0	1	0
10:45	to	11:00	80	80	115	115	17	18	21	22	0	0	0	0	2	2	2	2	0	0	0	0	0	0	0
11:00	to	11:15	87	71	121	102	11	12	16	21	1	0	1	0	4	0	7	0	0	1	0	1	0	0	0
11:15	to	11:30	91	68	158	106	10	10	13	18	0	1	0	2	2	1	4	1	1	2	1	2	0	1	0
11:30	to	11:45	76	73	120	112	18	14	27	18	0	0	0	0	0	2	0	2	1	0	1	0	1	0	0
11:45	to	12:00	86	87	131	121	16	11	21	16	1	1	2	1	8	4	10	7	0	1	0	1	1	0	0
12:00	to	12:15	89	91	148	158	14	10	17	13	2	0	1	0	3	2	4	4	0	1	0	1	0	1	0
12:15	to	12:30	92	86	161	126	13	18	16	27	1	0	3	0	1	0	1	0	0	0	0	0	0	0	0
12:30	to	12:45	91	78	158	121	10	16	13	27	2	1	3	2	3	2	4	4	1	2	2	3	2	0	0
12:45	to	13:00	60	81	93	122	8	14	13	18	4	1	5	1	4	3	6	3	0	1	0	1	0	0	0
13:00	to	13:15				B	R	E	A	K															
13:15	to	13:30																							
13:30	to	13:45	47	73	78	113	11	11	17	13	0	6	0	8	3	2	3	3	0	1	0	1	2	4	0
13:45	to	14:00	65	68	113	110	6	8	8	12	3	2	4	3	2	2	4	2	1	2	1	2	0	0	0
14:00	to	14:15	61	64	109	112	9	8	13	11	2	2	2	2	1	1	1	1	1	0	1	0	0	0	0
14:15	to	14:30	68	66	121	102	10	7	14	14	2	0	4	0	1	0	1	0	2	0	2	0	1	0	0
14:30	to	14:45	51	72	98	108	7	11	10	16	0	2	0	4	3	1	3	1	0	2	0	3	0	0	0
14:45	to	15:00	58	75	86	115	14	8	16	8	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0
15:00	to	15:15	49	82	63	128	7	13	11	18	0	1	0	2	2	3	4	5	1	0	1	0	0	2	0
15:15	to	15:30	70	80	133	137	10	13	13	20	2	1	2	1	5	0	9	0	3	0	3	0	0	0	0
15:30	to	15:45	68	68	105	116	6	9	9	13	1	1	3	1	2	2	4	2	0	2	0	2	0	0	0
15:45	to	16:00	49	74	77	124	5	7	8	11	1	0	1	0	4	1	9	1	0	1	0	1	0	1	0
16:00	to	16:15	56	62	101	102	12	6	14	6	0	0	0	0	2	0	4	0	1	0	1	0	0	0	0
16:15	to	16:30	63	55	98	79	5	8	6	12	0	1	0	3	0	2	0	5	0	1	0	1	0	0	0
16:30	to	16:45	55	58	78	95	8	9	13	14	1	2	3	2	2	0	6	0	1	0	1	0	0	0	0
16:45	to	17:00	52	63	92	108	8	6	12	7	2	1	2	1	0	1	0	1	0	1	0	1	0	0	0
17:00	to	17:15	60	68	101	98	6	9	7	11	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0
17:15	to	17:30	58	59	88	91	4	3	8	5	0	2	0	2	0	1	0	3	0	0	0	0	0	0	0
17:30	to	17:45	49	68	81	110	2	10	3	12	1	4	1	8	2	3	2	5	0	2	0	2	0	0	0
17:45	to	18:00	52	49	70	99	1	6	3	9	1	3	4	4	1	0	1	0	1	0	1	0	0	0	0
		Total	2327	2253	3661	3495	367	372	491	524	34	38	48	55	106	68	155	95	21	22	22	24	10	10	0
		Peak	92	91	161	158	18	18	27	27	4	6	5	8	8	6	14	8	3	2	3	3	2	4	0

< Customer Vehicle Data

< Service Vehicle and Pedestrian Data

Table 3-9 HW2 - Survey Results - hourly data (Saturday)

Hourly Data			Light Vehicle									Heavy Vehicle									All								
			Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)			
TIME			In	Out	Total	48	472	In	Out	Total	Accum.	In	Out	Total	0	0	In	Out	Total	Accum.	In	Out	Total	48	472	In	Out	Total	Accum.
8:00	to	9:00	152	110	262	90	19%	196	135	331	61	4	2	6	2	#DIV/0!	4	3	7	1	156	112	268	92	19%	200	138	338	62
8:15	to	9:15	210	147	357	121	26%	278	189	467	104	5	3	8	2	#DIV/0!	5	5	10	0	215	150	365	123	26%	284	194	478	105
8:30	to	9:30	235	162	397	135	29%	305	211	516	115	6	4	10	4	#DIV/0!	6	6	12	2	241	166	407	139	29%	312	217	529	118
8:45	to	9:45	248	169	417	169	36%	335	227	562	166	5	3	8	4	#DIV/0!	5	4	9	2	253	172	425	173	37%	342	231	573	170
9:00	to	10:00	298	179	477	209	44%	412	244	656	229	4	3	7	3	#DIV/0!	4	4	8	1	302	182	484	212	45%	418	248	666	232
9:15	to	10:15	303	186	489	238	50%	430	268	698	266	5	2	7	5	#DIV/0!	5	2	7	3	308	188	496	243	51%	436	270	706	271
9:30	to	10:30	334	204	538	265	56%	485	301	786	299	2	1	3	5	#DIV/0!	2	1	3	3	336	205	541	270	57%	489	302	791	305
9:45	to	10:45	351	225	576	295	63%	501	329	830	338	3	4	7	3	#DIV/0!	3	4	7	1	354	229	583	298	63%	505	334	839	341
10:00	to	11:00	360	275	635	294	62%	508	400	908	337	3	3	6	3	#DIV/0!	3	3	6	1	363	278	641	297	63%	512	404	916	340
10:15	to	11:15	375	300	675	313	66%	523	431	954	358	2	4	6	3	#DIV/0!	2	4	6	1	377	304	681	316	67%	526	436	962	361
10:30	to	11:30	391	319	710	337	71%	578	469	1047	408	3	7	10	1	#DIV/0!	3	8	11	-2	394	326	720	338	72%	581	479	1060	407
10:45	to	11:45	398	351	749	342	72%	604	519	1123	423	3	4	7	2	#DIV/0!	3	5	8	-1	401	355	756	344	73%	608	525	1133	424
11:00	to	12:00	409	353	762	350	74%	628	524	1152	441	4	6	10	1	#DIV/0!	5	7	12	-1	413	359	772	351	74%	635	532	1167	443
11:15	to	12:15	413	373	786	353	75%	653	576	1229	435	5	6	11	2	#DIV/0!	5	7	12	-1	418	379	797	355	75%	660	585	1245	436
11:30	to	12:30	416	398	814	355	75%	656	604	1260	460	5	3	8	3	#DIV/0!	7	3	10	2	421	401	822	358	76%	665	608	1273	464
11:45	to	12:45	426	405	831	363	77%	684	624	1308	483	7	6	13	3	#DIV/0!	11	8	19	2	433	411	844	366	78%	698	633	1331	489
12:00	to	13:00	388	401	789	337	71%	634	623	1257	452	10	6	16	5	#DIV/0!	14	8	22	5	398	407	805	342	72%	650	632	1282	461
12:15	to	13:15	282	298	580	337	71%	465	448	913	452	8	5	13	5	#DIV/0!	13	7	20	5	290	303	593	342	72%	480	455	935	461
12:30	to	13:30	176	194	370	337	71%	287	295	582	452	7	5	12	5	#DIV/0!	10	7	17	5	183	199	382	342	72%	299	302	601	461
12:45	to	13:45	133	184	317	312	66%	210	272	482	421	4	9	13	-2	#DIV/0!	5	11	16	-4	137	193	330	310	66%	217	287	504	419
13:00	to	14:00	134	164	298	307	65%	223	253	476	422	4	11	15	-2	#DIV/0!	5	14	19	-4	138	175	313	305	65%	230	271	501	420
13:15	to	14:15	205	237	442	305	65%	346	377	723	421	7	13	20	-1	#DIV/0!	8	16	24	-3	212	250	462	304	64%	356	397	753	420
13:30	to	14:30	284	310	594	311	66%	482	493	975	441	11	13	24	3	#DIV/0!	14	16	30	3	295	323	618	314	67%	499	513	1012	447
13:45	to	14:45	284	308	592	288	61%	495	489	984	427	11	10	21	-1	#DIV/0!	14	14	28	-4	295	318	613	287	61%	510	503	1013	426
14:00	to	15:00	283	313	596	277	59%	472	488	960	406	9	6	15	1	#DIV/0!	11	9	20	-2	292	319	611	278	59%	484	497	981	407
14:15	to	15:15	270	338	608	237	50%	427	515	942	333	7	5	12	1	#DIV/0!	9	9	18	-3	277	343	620	238	50%	437	526	963	331
14:30	to	15:30	276	358	634	229	49%	446	556	1002	331	8	6	14	5	#DIV/0!	8	10	18	1	284	364	648	234	50%	454	568	1022	333
14:45	to	15:45	291	353	644	226	48%	453	562	1015	318	9	5	14	3	#DIV/0!	11	6	17	1	300	358	658	229	49%	464	570	1034	320
15:00	to	16:00	277	352	629	202	43%	445	575	1020	276	8	6	14	3	#DIV/0!	10	7	17	1	285	358	643	205	43%	455	585	1040	277
15:15	to	16:15	289	322	611	204	43%	486	532	1018	287	8	5	13	4	#DIV/0!	10	5	15	2	297	327	624	208	44%	496	538	1034	289
15:30	to	16:30	272	294	566	207	44%	435	471	906	295	3	6	9	2	#DIV/0!	5	8	13	-2	275	300	575	209	44%	440	480	920	293
15:45	to	16:45	261	282	543	205	43%	414	449	863	283	4	5	9	2	#DIV/0!	6	7	13	0	265	287	552	207	44%	420	457	877	283
16:00	to	17:00	263	270	533	195	41%	424	429	853	271	5	6	11	2	#DIV/0!	7	8	15	0	268	276	544	197	42%	431	437	868	271
16:15	to	17:15	260	279	539	185	39%	414	430	844	271	5	6	11	3	#DIV/0!	7	8	15	1	265	285	550	188	40%	421	438	859	272
16:30	to	17:30	254	277	531	184	39%	406	433	839	268	5	6	11	1	#DIV/0!	7	6	13	-1	259	283	542	185	39%	413	439	852	267
16:45	to	17:45	242	291	533	156	33%	395	451	846	227	4	10	14	-4	#DIV/0!	4	14	18	-10	246	301	547	152	32%	399	465	864	217
17:00	to	18:00	236	276	512	155	33%	365	443	808	193	4	11	15	-5	#DIV/0!	7	16	23	-9	240	287	527	150	32%	372	459	831	184
		Peak	426	405	831	363	77%	684	624	1308	483	11	13	24	5	#DIV/0!	14	16	30	5	433	411	844	366	78%	698	633	1331	489

* Network peak is highlighted.

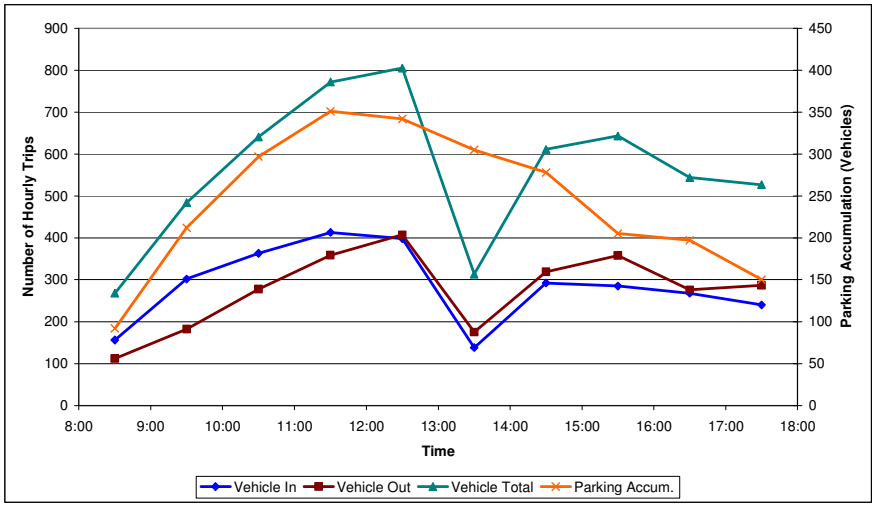

Figure 3-7 HW2 – Survey Results (Saturday) – Vehicle Trips

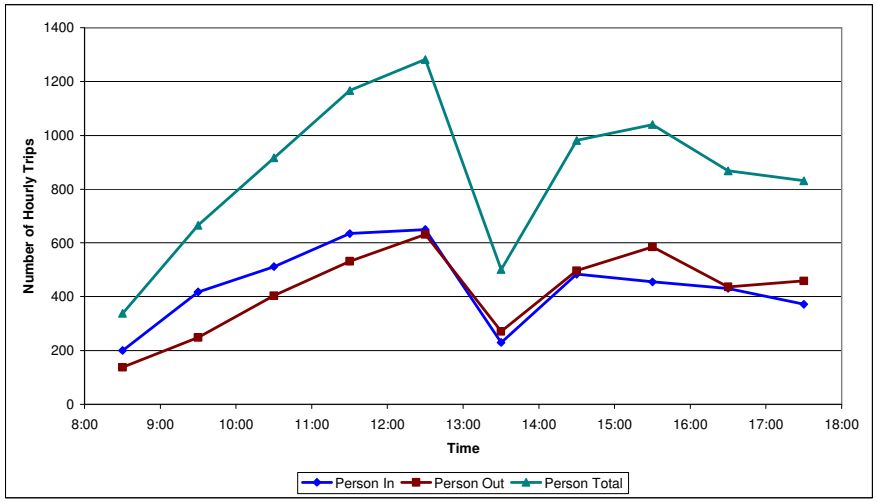

Figure 3-8 HW2 – Survey Results (Saturday) – Person Trips

3.1.3 HW3 – Mitre10 at Windsor

Table 3-10 HW3 - Survey Results - 15 mins data (Thursday)

HW3			Time:6:30 to 17:00																											
DATE:19 March 2009			VEHICLES PARKED ON SITE						START		0	END		9			VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS visitors walk in and out)		VISITOR CARS OUTSIDE			
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS				VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS							
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT				
6:30	to	6:45	0	0	0	0	3	1	5	2	2	0	2	0			0	0	0	0	0	0	0	0	2	3	10			
6:45	to	7:00	2	1	2	1	0	4	0	7	0	1	0	2			0	1	0	1	0	0	0	0	2	2	12			
7:00	to	7:15	1	1	1	1	2	1	2	1	0	1	0	1			0	0	0	0	0	0	0	0	1	0	12			
7:15	to	7:30	1	0	1	0	4	2	5	3	1	0	1	0			0	0	0	0	0	0	0	0	0	0	13			
7:30	to	7:45	0	1	0	1	4	4	5	7	0	1	0	1			0	0	0	0	0	0	0	0	3	2	13			
7:45	to	8:00	2	1	2	1	1	1	1	1	0	0	0	0			1	0	1	0	0	1	0	1	0	0	14			
8:00	to	8:15	1	1	1	1	1	0	1	0	0	0	0	0			0	1	0	1	0	0	0	0	2	0	16			
8:15	to	8:30	0	0	0	0	3	3	3	3	3	2	4	3			0	0	0	0	2	1	2	1	2	0	15			
8:30	to	8:45	2	1	2	1	3	2	3	2	0	2	0	2			0	0	0	0	0	0	0	0	1	0	15			
8:45	to	9:00	5	2	5	2	1	1	2	1	0	0	0	0			0	0	0	0	1	2	1	2	1	0	15			
9:00	to	9:15	8	9	9	10	3	3	3	3	0	1	0	1			0	0	0	0	0	0	0	0	2	0	15			
9:15	to	9:30	3	4	5	4	3	1	3	1	1	1	1	1			0	1	0	1	0	1	0	1	1	1	15			
9:30	to	9:45	4	6	6	6	4	3	4	3	0	0	0	0			0	0	0	0	0	1	0	1	3	2	15			
9:45	to	10:00	3	3	3	4	2	3	2	3	1	1	1	1			1	1	1	1	0	1	0	1	1	0	15			
10:00	to	10:15	2	2	2	2	2	3	2	3	0	0	0	0			0	0	0	0	0	0	0	0	1	0	14			
10:15	to	10:30	4	4	6	5	3	0	3	0	3	1	3	1			1	0	1	0	1	1	1	1	1	1	13			
10:30	to	10:45	5	3	5	6	2	2	2	2	1	3	1	3			0	0	0	0	1	1	1	1	1	1	13			
10:45	to	11:00	3	3	3	4	7	3	7	3	0	0	0	0			1	0	1	0	1	1	1	1	0	0	14			
11:00	to	11:15	4	4	8	4	2	5	2	5	0	0	0	0			1	1	1	1	2	2	2	2	1	1	14			
11:15	to	11:30	4	6	5	7	3	3	4	3	0	2	0	2			2	2	3	2	3	1	3	1	0	1	13			
11:30	to	11:45	1	2	1	2	1	1	1	1	1	2	1	3	^		0	2	0	2	3	1	3	1	1	0	16			
11:45	to	12:00	4	3	5	3	0	0	0	0	0	1	0	1			1	0	1	0	1	1	1	1	0	1	16			
12:00	to	12:15	4	3	4	4	2	0	3	0	1	1	1	1			0	1	0	1	1	1	1	1	1	0	13			
12:15	to	12:30	7	5	9	7	3	3	4	3	0	0	0	0			0	0	0	0	0	0	0	0	1	0	16			
12:30	to	12:45	4	7	6	8	3	3	3	3	2	1	2	1			0	0	0	0	1	1	1	1	0	0	15			
12:45	to	13:00	6	3	9	4	2	2	3	2	2	1	3	1			1	2	1	2	0	2	0	2	0	0	15			
13:00	to	13:15	2	5	2	7	1	3	1	3	0	1	0	1			1	1	1	1	1	1	1	1	4	3	15			
13:15	to	13:30	4	3	8	3	2	2	2	2	2	0	2	0			1	0	1	0	2	0	2	0	0	0	15			
13:30	to	13:45	2	5	3	9	1	0	1	0	0	0	0	0			0	1	0	1	2	1	2	1	0	0	14			
13:45	to	14:00	4	5	4	5	0	0	0	0	1	3	2	4			0	0	0	0	0	0	0	0	0	0	13			
14:00	to	14:15	9	6	9	5	4	0	4	0	0	0	0	0			0	0	0	0	0	1	0	1	1	0	13			
14:15	to	14:30	4	4	4	4	3	3	3	3	1	0	2	0			0	0	0	0	0	1	0	2	1	2	12			
14:30	to	14:45	2	2	4	1	4	2	5	2	2	2	2	3	^		0	1	0	1	0	0	0	0	2	2	12			
14:45	to	15:00	7	4	11	5	2	4	2	6	0	0	0	0			0	0	0	0	0	0	0	0	1	0	11			
15:00	to	15:15	4	6	5	9	1	1	2	2	1	1	1	1			0	0	0	0	0	0	0	0	0	1	9			
15:15	to	15:30	5	5	8	8	2	2	2	2	1	0	1	0			0	0	0	0	1	1	1	1	1	1	7			
15:30	to	15:45	5	1	5	1	3	1	4	1	1	1	2	1			0	0	0	0	0	0	0	0	1	1	8			
15:45	to	16:00	4	6	4	8	1	7	1	8	1	1	1	1			0	0	0	0	1	0	1	0	1	1	9			
16:00	to	16:15	3	5	3	5	2	5	3	5	1	0	2	0			0	0	0	0	0	0	0	0	3	5	6			
16:15	to	16:30	3	1	4	2	4	3	4	3	0	1	0	1			0	0	0	0	0	0	0	0	1	3	5			
16:30	to	16:45	3	3	4	3	7	4	8	4	0	0	0	0			0	0	0	0	1	1	1	1	1	3	6			
16:45	to	17:00	6	6	7	7	1	6	2	8	0	0	0	0			0	0	0	0	0	0	0	0	0	1	6			
		Total	147	142	185	170	102	97	117	111	29	32	35	37			11	15	12	15	25	25	25	26	45	38	528			
		Peak	9	9	11	10	7	7	8	8	3	3	4	4			2	2	3	2	3	2	3	2	4	5	16			

^ Customer Vehicle Data

^ Service Vehicle and Pedestrian Data

Table 3-11 HW3 - Survey Results - hourly data (Thursday)

Hourly Data			Light Vehicle									Heavy Vehicle									All								
			Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)			
TIME			In	Out	Total	0	44	In	Out	Total	Accum.	In	Out	Total	0	2	In	Out	Total	Accum.	In	Out	Total	0	46	In	Out	Total	Accum.
6:30	to	7:30	13	11	24	2	5%	16	16	32	0	3	2	5	1	50%	3	3	6	0	16	13	29	3	7%	24	24	48	0
6:45	to	7:45	14	15	29	1	2%	16	22	38	-3	1	3	4	0	0%	1	4	5	-1	15	18	33	1	2%	23	30	53	-3
7:00	to	8:00	16	11	27	3	7%	18	15	33	-1	1	3	4	-1	-50%	1	3	4	-2	17	14	31	2	4%	23	20	43	-2
7:15	to	8:15	15	11	26	3	7%	17	15	32	-1	1	2	3	-1	-50%	1	2	3	-2	16	13	29	2	4%	23	19	42	0
7:30	to	8:30	13	12	25	3	7%	14	15	29	-1	5	5	10	1	50%	6	6	12	0	18	17	35	4	9%	27	23	50	4
7:45	to	8:45	14	10	24	5	11%	14	10	24	1	5	6	11	-1	-50%	6	7	13	-2	19	16	35	4	9%	25	17	42	5
8:00	to	9:00	16	11	27	8	18%	17	11	28	5	6	7	13	-2	-100%	7	8	15	-3	22	18	40	6	13%	30	19	49	9
8:15	to	9:15	25	21	46	7	16%	27	22	49	4	6	8	14	-3	-150%	7	9	16	-4	31	29	60	4	9%	40	31	71	9
8:30	to	9:30	28	24	52	7	16%	32	25	57	6	2	7	9	-4	-200%	2	7	9	-5	30	31	61	3	7%	39	33	72	10
8:45	to	9:45	31	30	61	6	14%	37	31	68	7	2	6	8	-5	-250%	2	6	8	-6	33	36	69	1	2%	46	40	86	11
9:00	to	10:00	31	34	65	5	11%	36	36	72	5	2	6	8	-6	-300%	2	6	8	-7	33	40	73	-1	-2%	45	45	90	9
9:15	to	10:15	24	27	51	4	9%	28	28	56	4	2	5	7	-6	-300%	2	5	7	-7	26	32	58	-2	-4%	36	36	72	9
9:30	to	10:30	26	25	51	8	18%	30	27	57	9	5	5	10	-4	-200%	5	5	10	-5	31	30	61	4	9%	41	35	76	16
9:45	to	10:45	25	21	46	10	23%	27	26	53	8	7	8	15	-6	-300%	7	8	15	-7	32	29	61	4	9%	38	36	74	13
10:00	to	11:00	30	20	50	15	34%	32	25	57	12	7	7	14	-6	-300%	7	7	14	-7	37	27	64	9	20%	42	34	76	17
10:15	to	11:15	33	25	58	12	27%	39	30	69	13	9	9	18	-6	-300%	9	9	18	-7	42	34	76	6	13%	51	42	93	18
10:30	to	11:30	34	32	66	10	23%	41	37	78	13	8	10	18	-6	-300%	8	10	18	-7	42	42	84	4	9%	51	50	101	17
10:45	to	11:45	29	32	61	7	16%	36	34	70	10	10	9	19	-5	-250%	10	10	20	-7	39	41	80	2	4%	48	46	94	15
11:00	to	12:00	23	29	52	9	20%	31	30	61	13	10	10	20	-6	-300%	10	11	21	-8	33	39	72	3	7%	43	44	87	16
11:15	to	12:15	22	23	45	11	25%	27	25	52	15	10	10	20	-6	-300%	10	11	21	-8	32	33	65	5	11%	39	38	77	19
11:30	to	12:30	23	20	43	13	30%	28	23	51	18	7	7	14	-6	-300%	7	8	15	-8	30	27	57	7	15%	38	32	70	23
11:45	to	12:45	28	25	53	10	23%	35	29	64	16	6	6	12	-5	-250%	6	6	12	-7	34	31	65	5	11%	43	36	79	22
12:00	to	13:00	32	29	61	12	27%	42	34	76	21	7	7	14	-6	-300%	8	7	15	-7	39	36	75	6	13%	52	41	93	27
12:15	to	13:15	30	34	64	7	16%	39	40	79	14	6	7	13	-7	-350%	7	7	14	-8	36	41	77	0	0%	51	50	101	20
12:30	to	13:30	27	31	58	9	20%	37	35	72	20	10	7	17	-3	-150%	11	7	18	-4	37	38	75	6	13%	52	45	97	30
12:45	to	13:45	23	27	50	6	14%	32	34	66	14	9	6	15	-2	-100%	10	6	16	-3	32	33	65	4	9%	46	43	89	25
13:00	to	14:00	18	25	43	5	11%	23	31	54	13	8	6	14	-4	-200%	9	7	16	-5	26	31	57	1	2%	36	41	77	22
13:15	to	14:15	27	22	49	12	27%	32	25	57	21	7	5	12	-5	-250%	8	6	14	-6	34	27	61	7	15%	41	31	72	30
13:30	to	14:30	27	24	51	12	27%	28	27	55	21	4	6	10	-5	-250%	6	8	14	-6	31	30	61	7	15%	36	37	73	29
13:45	to	14:45	30	23	53	13	30%	33	21	54	26	4	7	11	-5	-250%	6	10	16	-7	34	30	64	8	17%	43	35	78	33
14:00	to	15:00	35	26	61	14	32%	42	27	69	28	3	4	7	-5	-250%	4	6	10	-7	38	30	68	9	20%	51	37	88	36
14:15	to	15:15	27	27	54	12	27%	36	33	69	24	4	4	8	-5	-250%	5	6	11	-7	31	31	62	7	15%	45	44	89	31
14:30	to	15:30	27	27	54	12	27%	39	36	75	24	5	4	9	-4	-200%	5	5	10	-6	32	31	63	8	17%	48	45	93	32
14:45	to	15:45	29	24	53	18	41%	39	34	73	31	4	3	7	-4	-200%	5	3	8	-5	33	27	60	14	30%	47	40	87	40
15:00	to	16:00	25	29	54	10	23%	31	39	70	20	6	4	10	-3	-150%	7	4	11	-4	31	33	64	7	15%	41	47	88	30
15:15	to	16:15	25	32	57	5	11%	30	38	68	16	6	3	9	-2	-100%	8	3	11	-2	31	35	66	3	7%	44	49	93	26
15:30	to	16:30	25	29	54	8	18%	28	33	61	19	4	3	7	-3	-150%	6	3	9	-3	29	32	61	5	11%	40	46	86	26
15:45	to	16:45	27	34	61	11	25%	31	38	69	24	4	3	7	-3	-150%	5	3	8	-3	31	37	68	8	17%	42	53	95	29
16:00	to	17:00	29	33	62	6	14%	35	37	72	18	2	2	4	-3	-150%	3	2	5	-3	31	35	66	3	7%	43	51	94	22
		Peak	35	34	66	18	41%	42	40	79	31	10	10	20	1	0.5	11	11	21	0	42	42	84	14	30%	52	53	101	40

* AM network peak and PM network peak are highlighted.

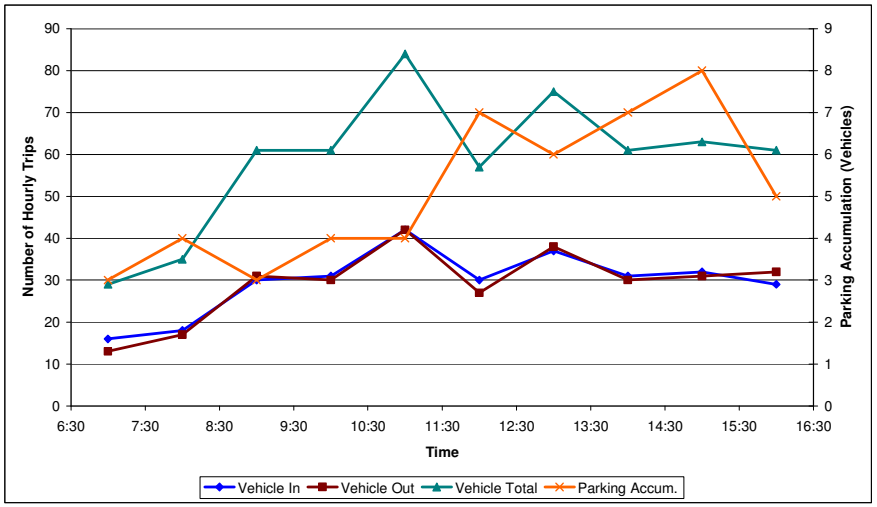

Figure 3-9 HW3 – Survey Results (Thursday) – Vehicle Trips

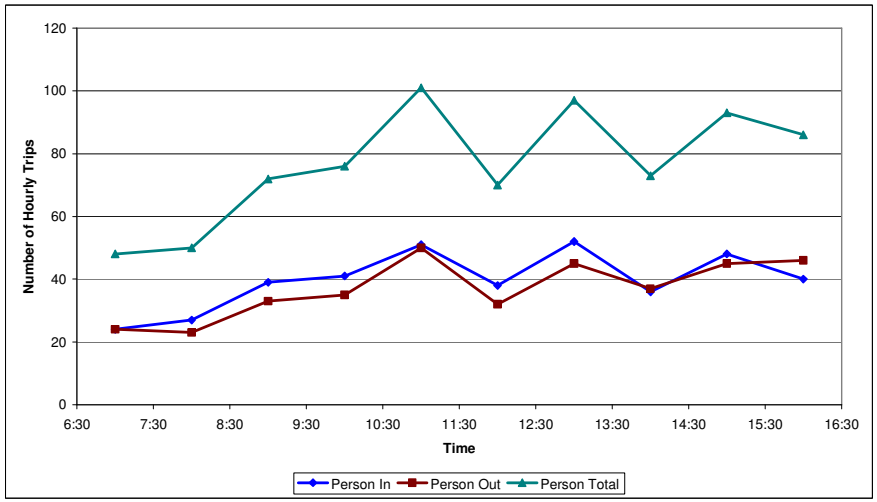

Figure 3-10 HW3 – Survey Results (Thursday) – Person Trips

Table 3-12 HW3 - Survey Results - 15 mins data (Saturday)

HW3			Time:7:00 to 21:00																									
DATE:21 March 2009			VEHICLES PARKED ON SITE						START		3		END		11			VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS visitors walk in and out)		VISITOR CARS OUTSIDE
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS			VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS					
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
8:00	to	8:15	1	0	1	0	0	0	0	0	2	0	2	0		0	0	0	0	0	0	0	0	0	0	9	
8:15	to	8:30	4	1	5	1	4	1	5	1	0	1	0	1		0	0	0	0	0	0	0	0	0	1	8	
8:30	to	8:45	2	3	5	5	1	0	1	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	8	
8:45	to	9:00	7	2	12	3	0	3	0	4	0	0	0	0		0	0	0	0	0	0	0	0	1	1	8	
9:00	to	9:15	2	4	3	8	0	1	0	1	0	0	0	0		1	1	1	1	0	0	0	0	1	0	8	
9:15	to	9:30	4	3	5	4	3	0	5	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	8	
9:30	to	9:45	3	5	5	5	2	3	2	5	1	0	1	0		0	0	0	0	1	0	1	0	0	0	8	
9:45	to	10:00	4	4	4	7	2	4	2	5	1	1	1	1		1	0	1	0	0	0	0	0	3	3	7	
10:00	to	10:15	7	7	12	11	4	1	6	1	1	1	1	1		1	0	1	0	1	0	1	0	1	0	8	
10:15	to	10:30	6	5	8	8	1	1	1	1	0	0	0	0		0	0	0	0	0	1	0	1	2	3	11	
10:30	to	10:45	9	9	12	11	3	2	5	2	0	0	0	0		0	0	0	0	0	0	0	0	4	3	7	
10:45	to	11:00	4	5	7	5	1	2	1	3	0	0	0	0		0	0	0	0	1	0	1	0	1	2	6	
11:00	to	11:15	9	4	14	5	2	4	2	7	0	0	0	0		0	0	0	0	0	0	0	0	4	3	7	
11:15	to	11:30	5	5	6	6	6	2	8	2	0	1	0	1		0	0	0	0	0	0	0	0	2	3	7	
11:30	to	11:45	5	7	9	8	0	1	0	1	0	0	0	0		0	0	0	0	0	0	0	0	1	2	7	
11:45	to	12:00	9	5	11	6	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	6	1	7	
12:00	to	12:15	2	8	5	12	5	2	7	3	1	0	1	0		0	0	0	0	0	0	0	0	2	6	6	
12:15	to	12:30	6	4	7	5	4	3	4	4	0	1	0	1		0	0	0	0	0	0	0	0	1	2	5	
12:30	to	12:45	3	1	6	1	1	2	1	2	0	0	0	0		0	0	0	0	0	0	0	0	2	2	3	
12:45	to	13:00	5	3	7	6	0	3	0	4	0	0	0	0		0	0	0	0	0	0	0	0	0	0	3	
13:00	to	13:15	6	4	8	7	0	1	0	1	0	0	0	0		0	0	0	0	0	0	0	0	2	2	2	
13:15	to	13:30	9	6	16	7	0	1	0	2	0	0	0	0		0	0	0	0	0	0	0	0	2	1	2	
13:30	to	13:45	6	4	9	9	1	0	1	0	0	0	0	0		0	0	0	0	0	0	0	0	1	1	3	
13:45	to	14:00	4	7	5	11	2	2	2	3	0	0	0	0		0	0	0	0	0	0	0	0	0	1	2	
14:00	to	14:15	3	5	4	7	4	2	9	2	0	0	0	0		0	0	0	0	0	0	0	0	2	3	3	
14:15	to	14:30	1	8	3	10	0	2	0	4	0	0	0	0		0	0	0	0	0	0	0	0	0	0	2	
14:30	to	14:45	8	5	16	9	1	0	1	0	0	0	0	0		0	0	0	0	0	0	0	0	1	1	3	
14:45	to	15:00	3	7	4	10	0	1	0	1	0	1	0	1		0	0	0	0	0	0	0	0	0	2	2	
15:00	to	15:15	2	4	3	4	1	0	1	0	0	0	0	0		0	0	0	0	0	0	0	0	1	0	2	
15:15	to	15:30	3	3	5	3	1	2	2	4	0	0	0	0		0	0	0	0	0	0	0	0	0	0	2	
15:30	to	15:45	4	3	5	3	2	2	2	2	0	0	0	0		0	0	0	0	0	0	0	0	0	1	3	
15:45	to	16:00	1	4	1	6	0	1	0	2	0	0	0	0		0	0	0	0	0	0	0	0	0	0	4	
		Total	147	145	223	203	51	49	68	67	6	6	6	6		3	1	3	1	3	1	3	1	40	44	171	
		Peak	9	9	16	12	6	4	9	7	2	1	2	1		1	1	1	1	1	1	1	1	6	6	11	

< Customer Vehicle Data

< Service Vehicle and Pedestrian Data

Table 3-13 HW3 - Survey Results - hourly data (Saturday)

Hourly Data			Light Vehicle									Heavy Vehicle									All								
			Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)			
TIME			In	Out	Total	3	44	In	Out	Total	Accum.	In	Out	Total	0	2	In	Out	Total	Accum.	In	Out	Total	3	46	In	Out	Total	Accum.
8:00	to	9:00	19	10	29	12	27%	29	14	43	15	2	1	3	1	50%	2	1	3	1	21	11	32	13	28%	32	17	49	15
8:15	to	9:15	21	16	37	9	20%	32	24	56	9	0	1	1	1	50%	0	1	1	1	21	17	38	10	22%	34	27	61	10
8:30	to	9:30	20	17	37	13	30%	32	26	58	15	0	0	0	1	50%	0	0	0	1	20	17	37	14	30%	34	27	61	16
8:45	to	9:45	22	22	44	10	23%	33	31	64	12	2	0	2	3	150%	2	0	2	3	24	22	46	13	28%	37	32	69	15
9:00	to	10:00	22	25	47	9	20%	28	36	64	7	3	1	4	3	150%	3	1	4	3	25	26	51	12	26%	35	40	75	10
9:15	to	10:15	31	27	58	13	30%	43	38	81	14	5	2	7	4	200%	5	2	7	4	36	29	65	17	37%	52	43	95	19
9:30	to	10:30	31	30	61	14	32%	42	43	85	14	5	3	8	3	150%	5	3	8	3	36	33	69	17	37%	53	52	105	17
9:45	to	10:45	38	33	71	15	34%	52	46	98	18	3	3	6	3	150%	3	3	6	3	41	36	77	18	39%	65	58	123	22
10:00	to	11:00	36	32	68	13	30%	53	42	95	18	3	2	5	4	200%	3	2	5	4	39	34	73	17	37%	64	52	116	22
10:15	to	11:15	35	32	67	16	36%	50	42	92	22	1	1	2	4	200%	1	1	2	4	36	33	69	20	43%	62	54	116	27
10:30	to	11:30	39	33	72	20	45%	55	41	96	28	1	1	2	3	150%	1	1	2	3	40	34	74	23	50%	67	53	120	31
10:45	to	11:45	32	30	62	17	39%	47	37	84	28	1	1	2	3	150%	1	1	2	3	33	31	64	20	43%	56	48	104	30
11:00	to	12:00	36	28	64	21	48%	50	35	85	33	0	1	1	3	150%	0	1	1	3	36	29	65	24	52%	63	45	108	40
11:15	to	12:15	32	30	62	18	41%	46	38	84	30	1	1	2	4	200%	1	1	2	4	33	31	64	22	48%	58	51	109	34
11:30	to	12:30	31	30	61	21	48%	43	39	82	32	1	1	2	3	150%	1	1	2	3	32	31	63	24	52%	54	51	105	34
11:45	to	12:45	30	25	55	22	50%	41	33	74	36	1	1	2	3	150%	1	1	2	3	31	26	57	25	54%	53	45	98	38
12:00	to	13:00	26	26	52	21	48%	37	37	74	33	1	1	2	3	150%	1	1	2	3	27	27	54	24	52%	43	48	91	35
12:15	to	13:15	25	21	46	22	50%	33	30	63	33	0	1	1	3	150%	0	1	1	3	25	22	47	25	54%	38	37	75	35
12:30	to	13:30	24	21	45	24	55%	38	30	68	40	0	0	0	3	150%	0	0	0	3	24	21	45	27	59%	44	35	79	43
12:45	to	13:45	27	22	49	27	61%	41	36	77	41	0	0	0	3	150%	0	0	0	3	27	22	49	30	65%	46	40	86	44
13:00	to	14:00	28	25	53	24	55%	41	40	81	34	0	0	0	3	150%	0	0	0	3	28	25	53	27	59%	46	45	91	36
13:15	to	14:15	29	27	56	24	55%	46	41	87	38	0	0	0	3	150%	0	0	0	3	29	27	56	27	59%	51	47	98	39
13:30	to	14:30	21	30	51	15	34%	33	46	79	27	0	0	0	3	150%	0	0	0	3	21	30	51	18	39%	36	51	87	28
13:45	to	14:45	23	31	54	19	43%	40	46	86	35	0	0	0	3	150%	0	0	0	3	23	31	54	22	48%	43	51	94	36
14:00	to	15:00	20	30	50	14	32%	37	43	80	28	0	1	1	2	100%	0	1	1	2	20	31	51	16	35%	40	50	90	26
14:15	to	15:15	16	27	43	13	30%	28	38	66	28	0	1	1	2	100%	0	1	1	2	16	28	44	15	33%	30	42	72	27
14:30	to	15:30	19	22	41	12	27%	32	31	63	28	0	1	1	2	100%	0	1	1	2	19	23	42	14	30%	34	35	69	27
14:45	to	15:45	16	22	38	13	30%	22	27	49	30	0	1	1	2	100%	0	1	1	2	16	23	39	15	33%	23	31	54	28
15:00	to	16:00	14	19	33	9	20%	19	24	43	23	0	0	0	2	100%	0	0	0	2	14	19	33	11	24%	20	25	45	21
		Peak	39	33	72	27	61%	55	46	98	41	5	3	8	4	2	5	3	8	4	41	36	77	30	65%	67	58	123	44

* Network peak is highlighted.

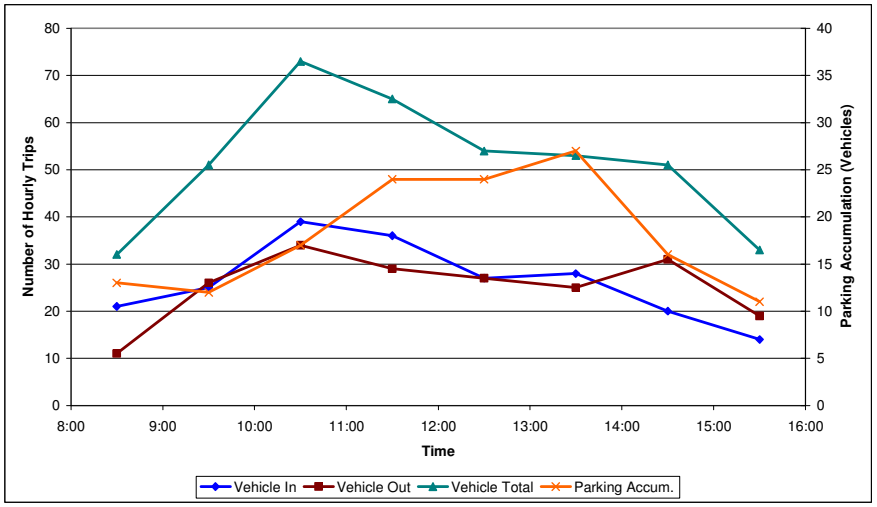

Figure 3-11 HW3 – Survey Results (Saturday) – Vehicle Trips

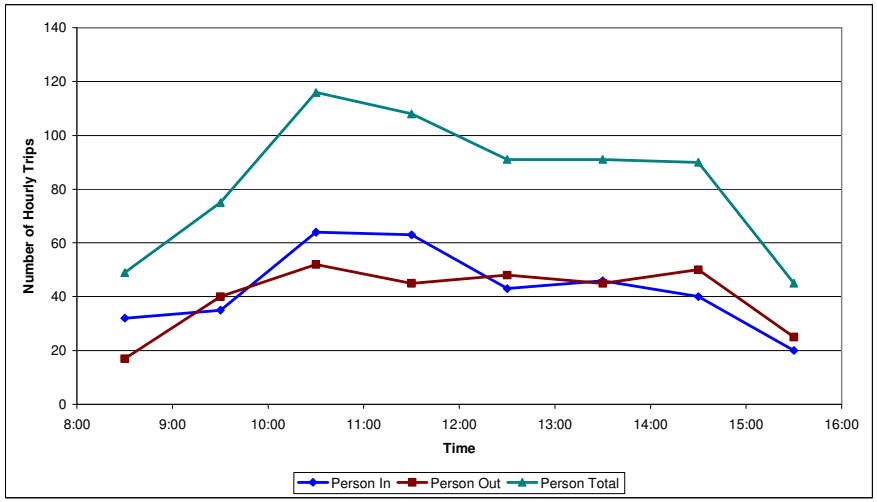

Figure 3-12 HW3 – Survey Results (Saturday) – Person Trips

3.1.4 HW4 – Bunnings at Minchinbury

Table 3-14 HW4 - Survey Results - 15 mins data (Thursday)

HW4			Time:7:00 to 21:00																							
Date: 19 March 2009			VEHICLES PARKED ON SITE						START	25	END		45			VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS visitors walk in and out)		VISITOR CARS	
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS			VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS					
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	OUTSIDE	
7:00	to	7:15	6	5	7	5	2	0	3	0	0	0	0	0		2	0	2	0	2	1	2	1	0	0	0	
7:15	to	7:30	3	4	5	4	12	6	13	7	0	0	0	0		1	2	1	2	0	0	0	0	0	0	0	
7:30	to	7:45	6	6	6	6	4	5	5	5	2	0	2	0		0	0	0	0	0	0	0	0	0	0	0	
7:45	to	8:00	10	2	12	2	8	7	10	8	1	3	3	5		0	0	0	0	0	0	0	0	0	0	0	
8:00	to	8:15	15	7	19	8	13	7	15	9	1	0	2	0		6	0	6	0	2	0	2	0	0	0	0	
8:15	to	8:30	19	6	22	7	12	10	16	10	1	1	1	1		0	0	0	0	0	0	0	0	0	0	0	
8:30	to	8:45	27	17	29	18	7	16	8	20	2	0	2	0		1	6	1	6	0	2	0	2	0	0	0	
8:45	to	9:00	26	14	27	14	12	8	13	10	0	3	0	3		0	1	0	1	1	0	1	0	0	0	0	
9:00	to	9:15	33	20	38	21	0	9	0	10	0	0	0	0		1	0	1	0	1	0	1	0	0	0	0	
9:15	to	9:30	45	21	54	21	10	8	10	10	1	0	1	0		2	0	2	0	1	1	1	1	1	0	0	
9:30	to	9:45	41	44	53	53	12	9	16	9	1	0	2	0		0	3	0	3	1	1	1	1	0	1	0	
9:45	to	10:00	38	35	46	43	6	7	8	9	1	1	1	2		1	0	1	0	1	1	1	1	0	0	0	
10:00	to	10:15	43	26	58	28	15	11	15	14	1	1	1	1		0	1	0	1	2	2	2	2	0	0	0	
10:15	to	10:30	38	31	54	42	7	11	8	11	1	0	1	0		3	0	3	0	0	2	0	2	1	0	0	
10:30	to	10:45	42	34	66	55	16	9	19	9	1	2	1	2		0	0	0	0	1	0	1	0	0	1	0	
10:45	to	11:00	57	47	83	56	17	9	21	11	1	0	1	0		0	2	0	2	1	2	1	2	0	0	0	
11:00	to	11:15	33	40	45	58	6	14	7	16	2	2	2	2		4	0	4	0	4	4	4	4	2	0	0	
11:15	to	11:30	28	39	61	45	15	15	18	19	0	1	0	1		0	5	0	5	2	2	2	2	0	0	0	
11:30	to	11:45	57	46	82	58	9	9	10	15	1	0	1	0		2	0	2	0	3	1	3	1	2	0	0	
11:45	to	12:00	47	33	64	41	5	11	5	17	1	1	1	1		0	0	0	0	0	1	0	1	0	0	0	
12:00	to	12:15	40	38	46	45	10	12	18	19	1	1	1	1	<	5	0	5	0	2	2	2	2	0	0	0	
12:15	to	12:30	38	42	40	39	7	9	8	9	1	1	1	4		0	3	0	3	1	1	1	1	1	1	0	
12:30	to	12:45	45	40	65	56	11	14	9	16	0	0	0	0		1	0	1	0	2	0	2	0	0	0	0	
12:45	to	13:00	45	27	62	37	11	5	10	5	2	3	2	3		0	0	0	0	1	3	1	3	2	3	0	
13:00	to	13:15	43	44	56	72	6	8	6	16	0	2	0	4		0	0	0	0	3	1	3	1	0	3	0	
13:15	to	13:30	36	58	47	83	7	12	7	23	2	0	2	0		3	0	3	0	0	2	0	2	3	2	0	
13:30	to	13:45	41	48	55	88	12	4	12	12	3	4	3	10		0	0	0	0	1	1	1	1	0	1	0	
13:45	to	14:00	31	29	44	44	13	10	15	16	4	1	6	1		2	8	2	8	2	1	2	1	0	0	0	
14:00	to	14:15	52	59	71	74	14	15	17	12	0	5	0	7		5	6	5	6	0	0	0	0	1	1	0	
14:15	to	14:30	33	30	45	56	6	9	9	19	0	0	0	0		1	1	1	1	0	1	0	1	0	0	0	
14:30	to	14:45	32	45	40	68	11	10	12	16	0	0	0	0		0	0	0	0	1	0	1	0	0	0	0	
14:45	to	15:00	31	32	50	43	14	12	14	12	0	0	0	0		1	0	1	0	0	0	0	0	0	0	0	
15:00	to	15:15	Break												<												
15:15	to	15:30	31	28	52	39	10	8	10	8	0	0	0	0		1	2	1	2	0	1	0	1	0	0	0	
15:30	to	15:45	38	37	51	56	11	11	11	12	2	0	2	0		1	0	1	0	1	1	1	1	0	0	0	
15:45	to	16:00	26	31	33	42	12	12	13	14	0	1	0	1		8	0	8	0	0	0	0	0	0	0	0	
16:00	to	16:15	37	40	53	61	11	4	12	6	2	1	2	1		1	9	1	9	0	1	0	1	0	0	0	
16:15	to	16:30	32	36	50	54	10	8	10	12	1	1	1	1		0	0	0	0	0	1	0	1	0	0	0	
16:30	to	16:45	32	32	51	75	13	9	15	14	1	0	1	0		3	6	3	6	0	0	0	0	0	0	0	
16:45	to	17:00	35	26	48	39	9	10	12	12	1	1	1	1		8	10	8	10	0	0	0	0	0	0	0	
17:00	to	17:15	25	33	36	45	7	4	9	5	0	0	0	0		10	8	10	8	1	0	1	0	0	0	0	
17:15	to	17:30	31	35	51	50	9	11	11	13	0	1	0	1		2	4	2	4	0	0	0	0	0	0	0	
17:30	to	17:45	31	34	50	54	6	10	7	14	0	1	0	1		2	2	2	2	1	1	1	1	0	0	0	
17:45	to	18:00	33	14	45	20	5	5	12	5	2	0	4	0		6	1	6	1	2	1	2	1	0	0	0	
18:00	to	18:15	34	33	59	45	3	5	3	5	0	0	0	0		1	1	1	1	0	0	0	0	0	0	0	
18:15	to	18:30	27	50	42	64	5	5	6	8	0	0	0	0		1	2	1	2	0	1	0	1	0	0	0	
18:30	to	18:45	40	30	62	37	7	4	10	5	0	0	0	0		1	2	1	2	0	0	0	0	0	0	0	
18:45	to	19:00	38	36	58	42	3	7	6	7	1	1	1	1		6	1	7	1	0	0	0	0	0	2	0	
19:00	to	19:15	28	32	32	41	3	4	3	4	0	0	0	0		1	0	1	0	1	0	1	0	0	0	0	
19:15	to	19:30	30	28	38	38	6	2	6	2	1	2	1	2		2	1	2	1	0	0	0	0	0	0	0	
19:30	to	19:45	23	34	40	45	2	2	2	2	0	1	0	1		1	2	1	2	0	0	0	0	0	0	0	
19:45	to	20:00	25	36	42	43	3	0	3	0	1	1	1	1		1	0	1	0	0	0	0	0	0	0	0	
20:00	to	20:15	26	42	48	48	1	2	1	2	1	2	1	2		2	0	2	0	0	0	0	0	0	0	0	
20:15	to	20:30	30	25	52	40	2	1	2	1	0	2	0	2		2	1	2	1	1	1	1	1	0	2	0	
20:30	to	20:45	8	29	14	35	1	2	1	2	0	1	0	1		1	1	1	1	1	1	1	1	0	0	0	
20:45	to	21:00	8	46	13	70	1	2	1	4	1	1	1	1		0	1	0	1	0	0	0	0	0	0	0	
		Total	1749	1736	2472	2373	450	429	523	551	45	49	53	65		102	92	103	92	43	41	43	41	13	17	0	
		Peak	57	59	83	88	17	16	21	23	4	5	6	10		10	10	10	10	4	4	4	4	3	3	0	

Customer Vehicle Data <

Service Vehicle and Pedestrian Data <

Table 3-15 HW4 - Survey Results - hourly data (Thursday)

Hourly Data			Light Vehicle										Heavy Vehicle										All									
			Vehicle			Parking Accum.	Parking %	Person (Occupants)					Vehicle			Parking Accum.	Parking %	Person (Occupants)						Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)				
TIME			In	Out	Total	25	403	In	Out	Total	Accum.	In	Out	Total	0	0	In	Out	Total	Accum.			In	Out	Total	25	403	In	Out	Total	Accum.		
7:00	to	8:00	54	37	91	42	10%	64	39	103	25	5	4	9	1	#DIV/0!	7	6	13	1			59	41	100	43	11%	71	45	116	26		
7:15	to	8:15	78	46	124	62	15%	92	51	143	48	6	3	9	4	#DIV/0!	9	5	14	5			84	49	133	66	16%	101	56	157	53		
7:30	to	8:30	93	50	143	77	19%	111	55	166	69	7	4	11	4	#DIV/0!	10	6	16	5			100	54	154	81	20%	121	61	182	74		
7:45	to	8:45	118	78	196	73	18%	138	88	226	63	7	6	13	4	#DIV/0!	10	8	18	5			125	84	209	77	19%	148	96	244	68		
8:00	to	9:00	138	92	230	88	22%	156	103	259	78	7	6	13	2	#DIV/0!	8	6	14	3			145	98	243	90	22%	164	109	273	81		
8:15	to	9:15	138	107	245	93	23%	155	117	272	86	5	6	11	3	#DIV/0!	5	6	11	4			143	113	256	96	24%	160	123	283	90		
8:30	to	9:30	164	120	284	121	30%	183	131	314	121	6	6	12	4	#DIV/0!	6	6	12	5			170	126	296	125	31%	190	137	327	127		
8:45	to	9:45	182	137	319	118	29%	214	152	366	125	6	5	11	5	#DIV/0!	7	5	12	7			188	142	330	123	31%	222	158	380	132		
9:00	to	10:00	189	156	345	121	30%	229	179	408	128	7	4	11	5	#DIV/0!	8	5	13	6			196	160	356	126	31%	238	185	423	134		
9:15	to	10:15	213	165	378	141	35%	263	191	454	158	9	7	16	5	#DIV/0!	10	8	18	6			222	172	394	146	36%	274	200	474	164		
9:30	to	10:30	204	178	382	147	36%	262	213	475	170	8	8	16	4	#DIV/0!	9	9	18	5			212	186	398	151	37%	272	223	495	176		
9:45	to	10:45	209	165	374	162	40%	278	212	490	191	8	9	17	4	#DIV/0!	8	10	18	5			217	174	391	166	41%	287	223	510	196		
10:00	to	11:00	238	181	419	178	44%	327	229	556	226	8	9	17	4	#DIV/0!	8	9	17	5			246	190	436	182	45%	336	239	575	231		
10:15	to	11:15	223	197	420	167	41%	310	260	570	208	11	12	23	4	#DIV/0!	11	12	23	5			234	209	443	171	42%	324	273	597	215		
10:30	to	11:30	218	214	432	151	37%	324	276	600	218	12	13	25	3	#DIV/0!	12	13	25	4			230	227	457	154	38%	338	290	628	224		
10:45	to	11:45	228	226	454	164	41%	333	285	618	239	14	12	26	6	#DIV/0!	14	12	26	7			242	238	480	170	42%	351	297	648	250		
11:00	to	12:00	206	212	418	172	43%	298	274	572	250	13	12	25	5	#DIV/0!	13	12	25	6			219	224	443	177	44%	315	286	601	260		
11:15	to	12:15	218	208	426	177	44%	311	264	575	255	10	9	19	5	#DIV/0!	10	9	19	6			228	217	445	182	45%	323	273	596	265		
11:30	to	12:30	220	203	423	168	42%	280	246	526	252	10	8	18	5	#DIV/0!	10	11	21	3			230	211	441	173	43%	293	258	551	259		
11:45	to	12:45	209	202	411	171	42%	261	245	506	255	8	7	15	7	#DIV/0!	8	10	18	5			217	209	426	178	44%	270	256	526	264		
12:00	to	13:00	213	190	403	195	48%	264	229	493	285	10	11	21	4	#DIV/0!	10	14	24	2			223	201	424	199	49%	277	247	524	290		
12:15	to	13:15	207	192	399	192	48%	257	253	510	259	10	11	21	4	#DIV/0!	10	16	26	0			217	203	420	196	49%	270	276	546	259		
12:30	to	13:30	208	208	416	168	42%	266	308	574	210	10	11	21	4	#DIV/0!	10	13	23	0			218	219	437	172	43%	281	329	610	211		
12:45	to	13:45	204	206	410	169	42%	258	336	594	177	12	16	28	3	#DIV/0!	12	24	36	-7			216	222	438	172	43%	275	369	644	170		
13:00	to	14:00	194	221	415	168	42%	247	362	609	170	15	12	27	7	#DIV/0!	17	20	37	-1			209	233	442	175	43%	267	388	655	169		
13:15	to	14:15	216	249	465	159	39%	278	366	644	171	12	14	26	2	#DIV/0!	14	22	36	-8			228	263	491	161	40%	296	392	688	163		
13:30	to	14:30	210	219	429	159	39%	276	336	612	150	10	13	23	1	#DIV/0!	12	21	33	-9			220	232	452	160	40%	289	359	648	141		
13:45	to	14:45	200	222	422	147	36%	261	320	581	118	7	8	15	2	#DIV/0!	9	10	19	-8			207	230	437	149	37%	271	331	602	110		
14:00	to	15:00	200	219	419	149	37%	265	307	572	128	1	6	7	2	#DIV/0!	1	8	9	-8			201	225	426	151	37%	267	316	583	120		
14:15	to	15:15	129	139	268	149	37%	172	215	387	128	1	1	2	2	#DIV/0!	1	1	2	-8			130	140	270	151	37%	173	216	389	120		
14:30	to	15:30	131	137	268	153	38%	180	188	368	142	1	1	2	1	#DIV/0!	1	1	2	-9			132	138	270	154	38%	181	189	370	133		
14:45	to	15:45	138	130	268	155	38%	191	172	363	137	3	2	5	3	#DIV/0!	3	2	5	-7			141	132	273	158	39%	194	174	368	130		
15:00	to	16:00	138	129	267	158	39%	180	173	353	135	3	3	6	2	#DIV/0!	3	3	6	-8			141	132	273	160	40%	183	176	359	127		
15:15	to	16:15	187	182	369	154	38%	246	249	495	125	5	5	10	2	#DIV/0!	5	5	10	-8			192	187	379	156	39%	251	254	505	117		
15:30	to	16:30	187	188	375	152	38%	243	266	509	119	6	6	12	1	#DIV/0!	6	6	12	-9			193	194	387	153	38%	249	272	521	110		
15:45	to	16:45	185	187	372	153	38%	249	293	542	93	4	5	9	2	#DIV/0!	4	5	9	-8			189	192	381	155	38%	253	298	551	85		
16:00	to	17:00	191	190	381	159	39%	263	298	561	100	5	5	10	2	#DIV/0!	5	5	10	-8			196	195	391	161	40%	268	303	571	92		
16:15	to	17:15	184	182	366	156	39%	252	280	532	97	4	3	7	3	#DIV/0!	4	3	7	-7			188	185	373	159	39%	256	283	539	90		
16:30	to	17:30	184	188	372	148	37%	256	281	537	94	3	2	5	2	#DIV/0!	3	2	5	-8			187	190	377	150	37%	259	283	542	86		
16:45	to	17:45	175	187	362	141	35%	246	256	502	83	3	4	7	1	#DIV/0!	3	4	7	-9			178	191	369	142	35%	249	260	509	74		
17:00	to	18:00	167	161	328	165	41%	241	221	462	120	6	4	10	4	#DIV/0!	8	4	12	-4			173	165	338	169	42%	249	225	474	116		
17:15	to	18:15	163	155	318	164	41%	249	214	463	132	5	4	9	4	#DIV/0!	7	4	11	-4			168	159	327	168	42%	256	218	474	128		
17:30	to	18:30	154	162	316	140	35%	234	221	455	107	5	4	9	3	#DIV/0!	7	4	11	-5			159	166	325	143	35%	241	225	466	102		
17:45	to	18:45	163	152	315	152	38%	248	195	443	136	4	2	6	3	#DIV/0!	6	2	8	-5			167	154	321	155	38%	254	197	451	131		
18:00	to	19:00	166	176	342	155	38%	256	219	475	157	1	2	3	3	#DIV/0!	1	2	3	-5			167	178	345	158	39%	257	223	480	150		
18:15	to	19:15	160	173	333	151	37%	229	213	442	148	2	2	4	4	#DIV/0!	2	2	4	-4			162	175	337	155	38%	231	217	448	142		
18:30	to	19:30	165	147	312	158	39%	226	180	406	153	3	3	6	3	#DIV/0!	3	3	6	-5			168	150	318	161	40%	229	185	414	146		
18:45	to	19:45	143	149	292	146	36%	196	185	381	147	3	4	7	2	#DIV/0!	3	4	7	-6			146	153	299	148	37%	199	191	390	139		
19:00	to	20:00	125	141	266	139	34%	171	178	349	150	3	4	7	2	#DIV/0!	3	4	7	-6			128	145	273	141	35%	174	182	356	142		
19:15	to	20:15	122	149	271	124	31%	186	183	369	151	3	6	9	1	#DIV/0!	3	6	9	-7			125	155	280	125	31%	189	189	378	142		
19:30	to	20:30	118	145	263	131	33%	196	184	380	165	3	7	10	-1	#DIV/0!	3	7	10	-9			121	152	273	130	32%	199	193	392	152		
19:45	to	20:45	102	139	241	109	27%	169	173	342	143	4	8	12	-2	#DIV/0!	4	8	12	-10			106	147	253	107	27%	173	183	356	129		
20:00	to	21:00	82	152	234	69	17%	137	205	342	82	4	8	12	-2	#DIV/0!	4	8	12	-10			86	160	246	67	17%	141	215	356	68		
		Peak	238	249	465	195	48%	333	366	644	285	15	16	28	7	#DIV/0!	17	24	37	7			246	263	491	199	49%	351	392	688	290		

* AM network peak and PM network peak are highlighted.

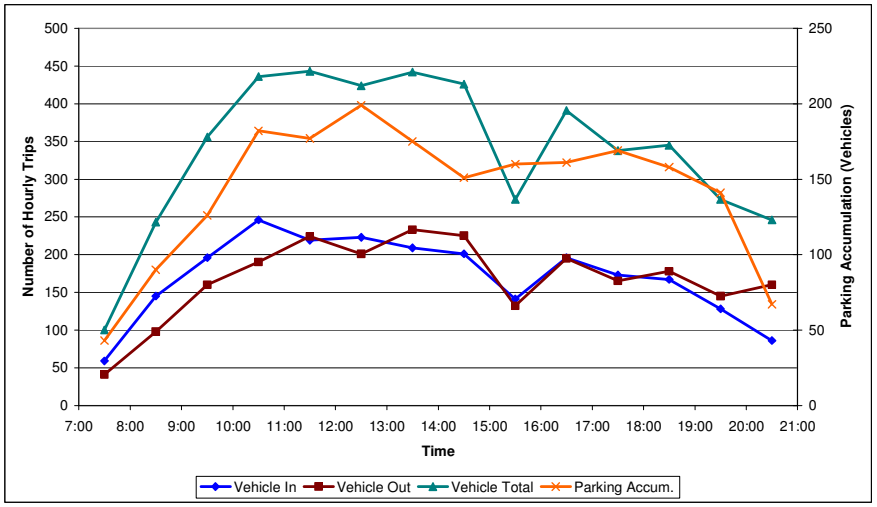

Figure 3-13 HW4 – Survey Results (Thursday) – Vehicle Trips

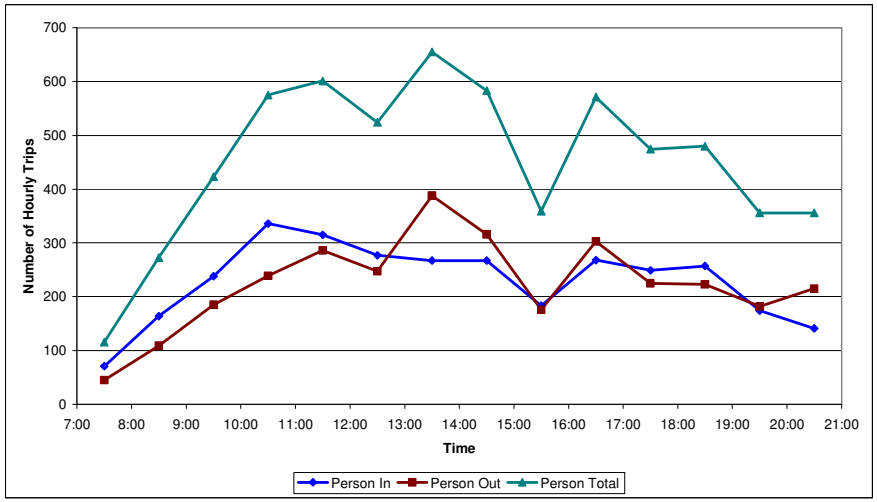

Figure 3-14 HW4 – Survey Results (Thursday) – Person Trips

Table 3-16 HW4 - Survey Results - 15 mins data (Saturday)

HW4			Time:8:00 to18:00																							
Date: 21March2009			VEHICLES PARKED ON SITE						START	42	END		135		VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS		VISITOR CARS	
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		visitors walk in and out)		OUTSIDE	
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
8:00	to	8:15	35	10	42	10	8	5	11	5	0	0	0	0	2	1	2	1	1	1	1	1	0	0	0	
8:15	to	8:30	31	19	41	24	13	6	22	6	1	0	1	0	1	1	1	2	1	0	1	0	0	0	0	
8:30	to	8:45	31	16	45	21	8	7	12	8	0	1	0	1	2	1	3	1	1	0	1	0	2	0	1	
8:45	to	9:00	38	27	56	32	9	13	15	19	0	0	0	0	3	3	3	3	1	1	1	1	2	0	1	
9:00	to	9:15	40	39	53	52	16	9	28	11	0	0	0	0	2	2	2	2	1	0	1	0	0	1	0	
9:15	to	9:30	54	34	82	50	8	13	12	21	0	0	0	0	3	2	3	2	0	0	0	0	0	2	1	
9:30	to	9:45	72	48	111	68	15	5	19	10	0	0	0	0	2	5	3	5	0	0	0	0	0	0	0	
9:45	to	10:00	60	49	53	71	17	16	29	19	1	0	2	0	4	1	5	1	2	0	3	0	1	0	0	
10:00	to	10:15	66	53	116	75	6	11	7	16	0	1	0	2	6	3	9	4	0	0	0	0	4	1	1	
10:15	to	10:30	57	54	86	85	14	11	19	17	1	0	1	0	3	4	4	5	0	1	0	2	1	2	1	
10:30	to	10:45	83	59	138	86	16	12	24	19	1	1	1	1	3	4	5	6	0	0	0	0	2	1	1	
10:45	to	11:00	76	73	118	118	13	17	22	24	2	2	2	2	0	2	0	2	1	0	2	0	0	1	1	
11:00	to	11:15	85	72	161	130	11	10	17	17	1	2	1	2	1	1	1	2	1	0	1	0	2	1	1	
11:15	to	11:30	72	80	122	144	14	10	18	16	0	1	0	1	5	3	8	3	0	1	0	1	3	4	3	
11:30	to	11:45	82	69	142	120	18	11	22	15	1	1	4	1	0	4	0	5	0	0	0	0	0	1	0	
11:45	to	12:00	80	79	116	112	15	16	21	20	1	1	1	1	1	1	2	2	2	2	2	2	0	0	0	
12:00	to	12:15	BREAK																							
12:15	to	12:30																								
12:30	to	12:45	82	77	136	129	12	12	19	12	0	0	0	0	3	0	4	0	0	0	0	0	3	1	1	
12:45	to	13:00	65	74	105	120	17	12	23	17	0	0	0	0	5	2	8	3	1	0	1	0	0	3	1	
13:00	to	13:15	63	76	104	128	10	10	20	15	1	0	1	0	0	2	0	4	0	0	0	0	0	1	1	
13:15	to	13:30	65	70	106	110	7	18	10	28	1	0	1	0	3	2	5	3	0	0	0	0	2	0	0	
13:30	to	13:45	69	82	108	143	10	14	16	18	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
13:45	to	14:00	54	71	89	111	12	8	17	10	0	1	0	1	1	2	1	2	0	0	0	0	0	2	0	
14:00	to	14:15	75	64	128	104	13	11	14	15	0	0	0	0	4	4	7	5	0	0	0	0	0	0	0	
14:15	to	14:30	74	51	122	84	7	16	9	25	0	0	0	0	7	2	12	3	3	0	4	0	0	0	0	
14:30	to	14:45	85	86	155	112	12	13	19	17	0	1	0	1	4	5	5	10	0	0	0	0	0	1	0	
14:45	to	15:00	68	64	119	110	6	7	9	11	1	0	1	0	0	3	0	4	0	1	0	1	0	1	0	
15:00	to	15:15	81	73	142	121	9	17	11	25	0	0	0	0	3	0	6	0	0	0	0	0	0	0	0	
15:15	to	15:30	64	68	119	105	12	11	17	14	2	1	2	1	2	2	4	2	1	0	3	0	0	1	0	
15:30	to	15:45	56	84	97	96	15	7	18	11	0	2	0	4	2	2	7	4	1	0	1	0	4	1	0	
15:45	to	16:00	46	66	76	123	4	5	8	7	0	2	0	2	0	3	0	6	0	0	0	0	1	1	0	
16:00	to	16:15	69	63	125	112	11	7	14	10	0	0	0	0	6	0	7	0	0	0	0	0	2	1	0	
16:15	to	16:30	46	68	84	111	6	9	12	10	0	0	0	0	0	1	0	1	0	0	0	0	2	1	0	
16:30	to	16:45	65	52	102	104	15	13	18	22	0	0	0	0	2	1	2	1	0	0	0	0	0	1	0	
16:45	to	17:00	53	74	95	128	13	10	10	14	1	0	1	0	0	0	0	0	0	0	0	0	0	4	0	
17:00	to	17:15	27	42	45	74	5	12	8	18	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	
17:15	to	17:30	35	54	70	97	9	7	14	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17:30	to	17:45	28	39	89	78	5	6	8	7	1	0	1	0	0	0	0	0	0	1	0	1	0	1	0	
17:45	to	18:00	21	42	65	82	4	4	8	4	0	1	0	1	0	0	0	0	0	0	0	0	0	2	0	
		Total	2253	2221	3763	3580	415	401	600	566	16	19	20	22	80	70	119	95	17	8	22	9	31	37	14	
		Peak	85	86	161	144	18	18	29	28	2	2	4	4	7	5	12	10	3	2	4	2	4	4	3	

Customer Vehicle Data

Service Vehicle and Pedestrian Data

Table 3-17 HW4 - Survey Results - hourly data (Saturday)

			Light Vehicle										Heavy Vehicle										All									
Hourly Data			Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)			
TIME			In	Out	Total	42	403	In	Out	Total	Accum.	In	Out	Total	0	0	In	Out	Total	Accum.	In	Out	Total	42	403	In	Out	Total	Accum.
8:00	to	9:00	181	109	290	114	28%	253	132	385	121	5	3	8	2	#DIV/0!	5	3	8	2	186	112	298	116	29%	262	135	397	127
8:15	to	9:15	194	143	337	122	30%	281	181	462	139	5	2	7	3	#DIV/0!	5	2	7	3	199	145	344	125	31%	290	184	474	145
8:30	to	9:30	214	166	380	138	34%	314	222	536	163	3	2	5	3	#DIV/0!	3	2	5	3	217	168	385	141	35%	321	227	548	167
8:45	to	9:45	262	200	462	169	42%	387	275	662	213	2	1	3	3	#DIV/0!	2	1	3	3	264	201	465	172	43%	391	279	670	217
9:00	to	10:00	293	223	516	184	46%	400	312	712	209	4	0	4	6	#DIV/0!	6	0	6	8	297	223	520	190	47%	407	315	722	219
9:15	to	10:15	313	240	553	195	48%	449	342	791	246	3	1	4	5	#DIV/0!	5	2	7	6	316	241	557	200	50%	459	347	806	257
9:30	to	10:30	322	260	582	200	50%	461	376	837	248	4	2	6	5	#DIV/0!	6	4	10	5	326	262	588	205	51%	473	383	856	257
9:45	to	10:45	335	277	612	227	56%	495	404	899	304	5	3	8	5	#DIV/0!	7	5	12	5	340	280	620	232	58%	510	413	923	314
10:00	to	11:00	343	303	646	224	56%	548	457	1005	300	5	5	10	6	#DIV/0!	6	7	13	7	348	308	656	230	57%	561	469	1030	311
10:15	to	11:15	362	319	681	238	59%	595	511	1106	330	7	6	13	6	#DIV/0!	8	7	15	7	369	325	694	244	61%	608	523	1131	342
10:30	to	11:30	379	343	722	236	59%	634	567	1201	315	6	7	13	4	#DIV/0!	7	7	14	5	385	350	735	240	60%	648	581	1229	324
10:45	to	11:45	377	352	729	252	63%	631	596	1227	339	6	7	13	4	#DIV/0!	10	7	17	8	383	359	742	256	64%	646	610	1256	350
11:00	to	12:00	384	356	740	252	63%	630	586	1216	344	6	8	14	4	#DIV/0!	9	8	17	8	390	364	754	256	64%	644	600	1244	355
11:15	to	12:15	287	273	560	252	63%	451	437	888	344	4	6	10	4	#DIV/0!	7	6	13	8	291	279	570	256	64%	461	448	909	355
11:30	to	12:30	196	180	376	252	63%	303	274	577	344	4	4	8	4	#DIV/0!	7	4	11	8	200	184	384	256	64%	310	279	589	355
11:45	to	12:45	193	185	378	260	65%	298	275	573	362	3	3	6	4	#DIV/0!	3	3	6	8	196	188	384	264	66%	304	279	583	375
12:00	to	13:00	184	177	361	259	64%	295	281	576	358	1	0	1	5	#DIV/0!	1	0	1	9	185	177	362	264	66%	299	285	584	369
12:15	to	13:15	257	265	522	244	61%	419	428	847	335	2	0	2	6	#DIV/0!	2	0	2	10	259	265	524	250	62%	424	433	857	346
12:30	to	13:30	332	355	687	229	57%	540	569	1109	315	3	0	3	7	#DIV/0!	3	0	3	11	335	355	690	236	59%	548	574	1122	329
12:45	to	13:45	314	362	676	212	53%	505	589	1094	278	3	0	3	7	#DIV/0!	3	0	3	11	317	362	679	219	54%	510	594	1104	291
13:00	to	14:00	294	355	649	198	49%	476	572	1048	262	2	1	3	6	#DIV/0!	2	1	3	10	296	356	652	204	51%	480	577	1057	272
13:15	to	14:15	313	346	659	211	52%	501	549	1050	287	1	1	2	6	#DIV/0!	1	1	2	10	314	347	661	217	54%	504	553	1057	297
13:30	to	14:30	326	325	651	230	57%	523	520	1043	318	3	1	4	9	#DIV/0!	4	1	5	14	329	326	655	239	59%	527	524	1051	332
13:45	to	14:45	348	333	681	227	56%	578	498	1076	358	3	2	5	8	#DIV/0!	4	2	6	13	351	335	686	235	58%	582	503	1085	370
14:00	to	15:00	355	326	681	227	56%	599	500	1099	361	4	2	6	8	#DIV/0!	5	2	7	13	359	328	687	235	58%	604	504	1108	372
14:15	to	15:15	356	337	693	230	57%	609	522	1131	374	4	2	6	8	#DIV/0!	5	2	7	13	360	339	699	238	59%	614	526	1140	385
14:30	to	15:30	346	349	695	227	56%	606	531	1137	393	4	3	7	10	#DIV/0!	6	3	9	17	350	352	702	237	59%	612	537	1149	407
14:45	to	15:45	318	338	656	207	51%	549	503	1052	404	5	4	9	9	#DIV/0!	7	6	13	14	323	342	665	216	54%	560	512	1072	418
15:00	to	16:00	294	338	632	183	45%	505	514	1019	352	4	5	9	7	#DIV/0!	6	7	13	12	298	343	641	190	47%	516	524	1040	364
15:15	to	16:15	287	318	605	199	49%	492	490	982	376	4	5	9	7	#DIV/0!	6	7	13	12	291	323	614	206	51%	505	501	1006	389
15:30	to	16:30	261	315	576	173	43%	448	491	939	350	1	4	5	7	#DIV/0!	1	6	7	12	262	319	581	180	45%	458	501	959	364
15:45	to	16:45	270	288	558	189	47%	448	507	955	345	0	2	2	7	#DIV/0!	0	2	2	12	270	290	560	196	49%	453	513	966	358
16:00	to	17:00	286	298	584	171	42%	469	513	982	308	1	0	1	8	#DIV/0!	1	0	1	13	287	298	585	179	44%	474	520	994	318
16:15	to	17:15	232	283	515	148	37%	376	484	860	268	1	1	2	7	#DIV/0!	1	1	2	12	233	284	517	155	38%	379	491	870	277
16:30	to	17:30	224	266	490	131	33%	364	472	836	242	1	1	2	7	#DIV/0!	1	1	2	12	225	267	492	138	34%	365	478	843	251
16:45	to	17:45	175	245	420	119	30%	339	430	769	254	2	2	4	7	#DIV/0!	2	2	4	12	177	247	424	126	31%	341	437	778	262
17:00	to	18:00	134	207	341	98	24%	307	374	681	241	1	3	4	6	#DIV/0!	1	3	4	11	135	210	345	104	26%	308	380	688	246
		Peak	384	362	740	260	65%	634	596	1227	404	7	8	14	10	#DIV/0!	10	8	17	17	390	364	754	264	66%	648	610	1256	418

* Network peak is highlighted.

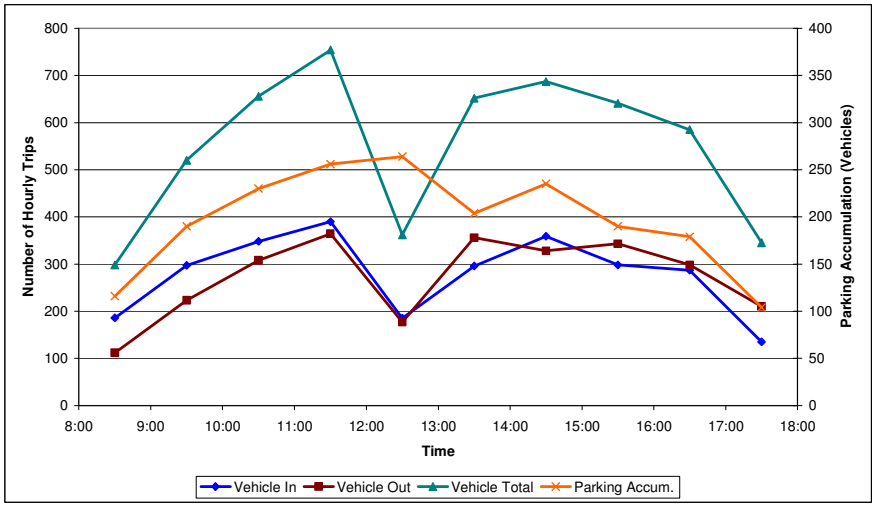

Figure 3-15 HW4 – Survey Results (Saturday) – Vehicle Trips

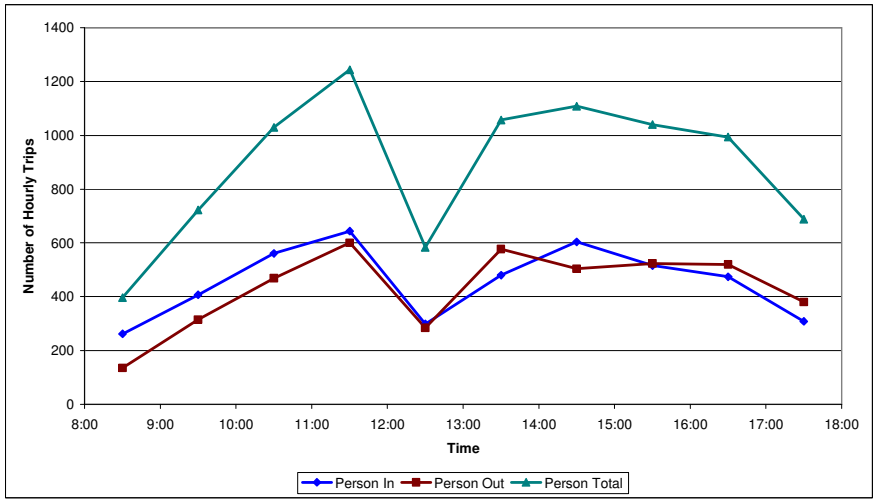

Figure 3-16 HW4 – Survey Results (Saturday) – Person Trips

3.1.5 HW5 – Mitre10 at Narellan

Table 3-18 HW5 - Survey Results - 15 mins data (Thursday)

HW5			Time:7:00 to 17:30																									
DATE:19 March 2009			VEHICLES PARKED ON SITE					START	4	END	12				VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS visitors walk in and out)		VISITOR CARS OUTSIDE			
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS			VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS					
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT			
7:00	to	7:15	3	2	2	2	3	3	3	4	0	0	0	0		0	0	0	0	0	0	0	0	0	0	1		
7:15	to	7:30	2	0	5	0	2	2	2	2	0	0	0	0		0	0	0	0	0	0	0	0	0	0	1		
7:30	to	7:45	2	1	3	2	3	2	5	3	1	1	1	1		0	0	0	0	0	0	0	0	0	0	0		
7:45	to	8:00	6	3	8	4	2	1	3	1	0	0	0	0		1	0	1	0	1	0	1	0	0	0	0		
8:00	to	8:15	2	2	5	3	3	2	5	2	0	1	0	1		1	0	1	0	0	1	0	1	0	0	0		
8:15	to	8:30	1	5	1	8	1	4	1	6	0	1	0	2		0	0	0	0	2	0	2	0	0	0	0		
8:30	to	8:45	2	2	3	2	7	5	7	6	1	0	1	0		1	1	1	1	0	0	0	0	0	0	0		
8:45	to	9:00	1	0	1	0	3	1	3	1	0	0	0	0		0	0	0	0	0	1	0	1	0	0	0		
9:00	to	9:15	4	2	4	2	9	3	13	4	0	0	0	0		0	1	0	1	1	0	1	0	0	0	1		
9:15	to	9:30	4	3	5	3	4	4	5	5	0	0	0	0		0	1	0	1	0	0	0	0	0	0	1		
9:30	to	9:45	6	6	6	6	4	5	4	7	2	0	2	0		0	1	0	1	0	0	0	0	1	1	0		
9:45	to	10:00	9	6	9	7	6	8	7	9	0	0	0	0		0	0	0	0	1	2	1	2	1	0	0		
10:00	to	10:15	7	7	10	8	2	3	2	5	1	0	1	0		0	0	0	0	1	2	1	3	0	0	0		
10:15	to	10:30	5	8	6	8	2	3	2	3	0	0	0	0		0	0	0	0	1	0	1	0	3	2	3		
10:30	to	10:45	8	6	8	6	7	2	7	2	0	0	0	0		0	0	0	0	0	0	0	0	0	1	0		
10:45	to	11:00	4	9	5	10	4	5	4	5	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0		
11:00	to	11:15	5	4	7	5	7	5	9	5	1	0	1	0		0	0	0	0	1	1	1	1	0	1	0		
11:15	to	11:30	2	6	3	6	2	6	2	7	0	2	0	2		0	0	0	0	1	2	1	2	1	1	1		
11:30	to	11:45	6	3	7	4	5	2	6	3	0	0	0	0		0	0	0	0	0	0	0	0	2	0	0		
11:45	to	12:00	5	6	5	9	2	5	2	5	0	0	0	0		0	0	0	0	1	0	1	0	2	1	0		
12:00	to	12:15	2	5	2	7	1	1	1	1	0	0	0	0	<	0	0	0	0	2	1	2	1	0	0	0		
12:15	to	12:30	5	5	8	7	2	1	2	1	0	0	0	0		0	0	0	0	1	2	1	2	2	1	0		
12:30	to	12:45	5	5	7	10	0	1	0	1	0	0	0	0		0	0	0	0	1	0	1	0	2	2	3		
12:45	to	13:00	8	4	11	4	4	4	4	4	1	1	1	1		1	0	1	0	0	0	0	0	2	0	0		
13:00	to	13:15	4	4	5	7	4	3	4	3	1	0	1	0		0	0	0	0	1	1	1	1	0	1	0		
13:15	to	13:30	2	5	2	6	4	7	5	7	0	0	0	0		0	0	0	0	1	0	1	0	0	0	0		
13:30	to	13:45	4	3	5	4	3	3	4	3	2	0	3	0		0	0	0	0	0	0	0	0	1	0	1		
13:45	to	14:00	2	4	3	5	2	3	2	3	1	0	2	0		0	0	0	0	0	1	0	3	2	2	0		
14:00	to	14:15	5	1	6	1	1	1	2	1	0	1	0	2		0	0	0	0	0	1	0	1	1	1	0		
14:15	to	14:30	3	5	4	8	3	0	4	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0		
14:30	to	14:45	3	6	3	10	2	3	2	5	0	0	0	0		1	0	1	0	0	0	0	0	2	2	0		
14:45	to	15:00	5	2	7	2	3	0	4	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	1		
15:00	to	15:15	3	4	4	5	1	2	2	2	0	0	0	0	<	0	0	0	0	0	0	0	0	0	0	0		
15:15	to	15:30	2	5	5	7	3	3	3	4	0	0	0	0		0	0	0	0	0	0	0	0	1	0	1		
15:30	to	15:45	3	3	7	4	1	2	1	3	0	0	0	0		0	0	0	0	0	0	0	0	1	0	0		
15:45	to	16:00	7	4	11	7	0	2	0	4	0	0	0	0		0	0	0	0	0	0	0	0	0	1	1		
16:00	to	16:15	5	8	7	11	2	5	2	5	0	0	0	0		0	0	0	0	0	0	0	0	1	1	0		
16:15	to	16:30	5	3	9	7	2	1	3	1	0	1	0	2		0	0	0	0	0	0	0	0	0	0	0		
16:30	to	16:45	7	5	0	5	0	3	0	3	0	1	0	1		0	0	0	0	0	0	0	0	0	0	0		
16:45	to	17:00	8	7	13	3	1	2	1	4	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0		
17:00	to	17:15	5	5	7	6	0	1	0	1	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0		
17:15	to	17:30	4	3	7	7	2	0	4	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0		
		Total	181	177	236	228	119	119	142	141	11	9	13	12		5	4	5	4	16	15	16	18	25	18	15		
		Peak	9	9	13	11	9	8	13	9	2	2	3	2		1	1	1	1	2	2	2	3	3	2	3		

Customer Vehicle Data

Service Vehicle and Pedestrian Data

Table 3-19 HW5 - Survey Results - hourly data (Thursday)

Hourly Data			Light Vehicle												Heavy Vehicle												All											
			Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)											
TIME			In	Out	Total	4	37	In	Out	Total	Accum.	In	Out	Total	0	1	In	Out	Total	Accum.	In	Out	Total	4	38	In	Out	Total	Accum.									
7:00	to	8:00	24	14	38	14	38%	32	18	50	14	2	1	3	1	100%	2	1	3	1	26	15	41	15	39%	34	19	53	15									
7:15	to	8:15	24	13	37	16	43%	38	17	55	20	2	3	5	-1	-100%	2	3	5	-1	26	16	42	15	39%	40	20	60	19									
7:30	to	8:30	22	20	42	9	24%	33	29	62	8	4	4	8	0	0%	4	5	9	-1	26	24	50	9	24%	37	34	71	7									
7:45	to	8:45	27	25	52	11	30%	36	33	69	10	4	3	7	1	100%	4	4	8	0	31	28	59	12	32%	40	37	77	10									
8:00	to	9:00	22	22	44	14	38%	28	29	57	13	3	4	7	0	0%	3	5	8	-1	25	26	51	14	37%	31	34	65	12									
8:15	to	9:15	29	24	53	21	57%	34	31	65	23	4	2	6	1	100%	4	3	7	0	33	26	59	22	58%	38	34	72	23									
8:30	to	9:30	35	23	58	21	57%	42	26	68	24	2	1	3	1	100%	2	1	3	0	37	24	61	22	58%	44	27	71	24									
8:45	to	9:45	35	27	62	19	51%	41	31	72	20	3	1	4	3	300%	3	1	4	2	38	28	66	22	58%	45	33	78	22									
9:00	to	10:00	46	40	86	20	54%	53	46	99	20	4	2	6	2	200%	4	2	6	1	50	42	92	22	58%	59	49	108	22									
9:15	to	10:15	42	44	86	19	51%	48	52	100	19	5	4	9	2	200%	5	5	10	0	47	48	95	21	55%	55	58	113	20									
9:30	to	10:30	41	47	88	15	41%	46	54	100	16	6	4	10	3	300%	6	5	11	1	47	51	98	18	47%	57	62	119	19									
9:45	to	10:45	46	43	89	22	59%	51	48	99	23	4	4	8	3	300%	4	5	9	1	50	47	97	25	66%	59	56	115	25									
10:00	to	11:00	39	43	82	16	43%	44	47	91	17	3	2	5	3	300%	3	3	6	1	42	45	87	19	50%	50	53	103	19									
10:15	to	11:15	42	42	84	19	51%	48	44	92	23	3	1	4	4	400%	3	1	4	2	45	43	88	23	61%	54	49	103	25									
10:30	to	11:30	39	43	82	11	30%	45	46	91	15	3	5	8	1	100%	3	5	8	-1	42	48	90	12	32%	49	54	103	14									
10:45	to	11:45	35	40	75	17	46%	43	45	88	21	3	5	8	1	100%	3	5	8	-1	38	45	83	18	47%	49	52	101	22									
11:00	to	12:00	34	37	71	13	35%	41	44	85	14	4	5	9	2	200%	4	5	9	0	38	42	80	15	39%	50	52	102	17									
11:15	to	12:15	25	34	59	10	27%	28	42	70	9	4	5	9	3	300%	4	5	9	1	29	39	68	13	34%	37	49	86	13									
11:30	to	12:30	28	28	56	11	30%	33	37	70	11	4	3	7	2	200%	4	3	7	0	32	31	63	13	34%	43	42	85	15									
11:45	to	12:45	22	29	51	10	27%	27	41	68	7	5	3	8	3	300%	5	3	8	1	27	32	59	13	34%	38	48	86	12									
12:00	to	13:00	28	26	54	15	41%	36	35	71	15	5	4	9	3	300%	5	4	9	1	33	30	63	18	47%	47	42	89	22									
12:15	to	13:15	33	27	60	16	43%	42	37	79	14	5	4	9	4	400%	5	4	9	2	38	31	69	20	53%	53	45	98	21									
12:30	to	13:30	32	33	65	10	27%	39	42	81	8	5	2	7	5	500%	5	2	7	3	37	35	72	15	39%	48	47	95	16									
12:45	to	13:45	34	33	67	11	30%	41	38	79	10	6	2	8	7	700%	7	2	9	6	40	35	75	18	47%	51	41	92	22									
13:00	to	14:00	25	32	57	8	22%	30	38	68	7	6	2	8	7	700%	8	4	12	5	31	34	65	15	39%	41	45	86	18									
13:15	to	14:15	23	27	50	12	32%	29	30	59	13	4	3	7	5	500%	6	6	12	2	27	30	57	17	45%	39	39	78	21									
13:30	to	14:30	23	20	43	13	35%	30	25	55	13	3	3	6	5	500%	5	6	11	2	26	23	49	18	47%	39	34	73	21									
13:45	to	14:45	22	23	45	10	27%	27	33	60	4	1	3	4	5	500%	2	6	8	2	23	26	49	15	39%	34	44	78	12									
14:00	to	15:00	26	18	44	16	43%	33	27	60	13	0	2	2	5	500%	0	3	3	2	26	20	46	21	55%	36	33	69	21									
14:15	to	15:15	24	22	46	14	38%	31	32	63	12	0	0	0	5	500%	0	0	0	2	24	22	46	19	50%	33	34	67	20									
14:30	to	15:30	23	25	48	11	30%	31	35	66	9	0	0	0	5	500%	0	0	0	2	23	25	48	16	42%	34	37	71	18									
14:45	to	15:45	21	21	42	10	27%	33	27	60	10	0	0	0	5	500%	0	0	0	2	21	21	42	15	39%	35	27	62	20									
15:00	to	16:00	20	25	45	11	30%	33	36	69	10	0	0	0	5	500%	0	0	0	2	20	25	45	16	42%	35	37	72	19									
15:15	to	16:15	23	32	55	5	14%	36	45	81	3	0	0	0	5	500%	0	0	0	2	23	32	55	10	26%	39	47	86	12									
15:30	to	16:30	25	28	53	8	22%	40	42	82	7	0	1	1	4	400%	0	2	2	0	25	29	54	12	32%	42	46	88	14									
15:45	to	16:45	28	31	59	7	19%	32	43	75	-1	0	2	2	3	300%	0	3	3	-1	28	33	61	10	26%	33	48	81	5									
16:00	to	17:00	30	34	64	7	19%	35	39	74	6	0	2	2	3	300%	0	3	3	-1	30	36	66	10	26%	36	43	79	12									
16:15	to	17:15	28	27	55	6	16%	33	30	63	6	0	2	2	3	300%	0	3	3	-1	28	29	57	9	24%	33	33	66	12									
16:30	to	17:30	27	26	53	9	24%	32	29	61	10	0	1	1	3	300%	0	1	1	-1	27	27	54	12	32%	32	30	62	16									
Peak			46	47	89	22	59%	53	54	100	24	6	5	10	7	7	8	6	12	6	50	51	98	25	66%	59	62	119	25									

* AM network peak and PM network peak are highlighted.

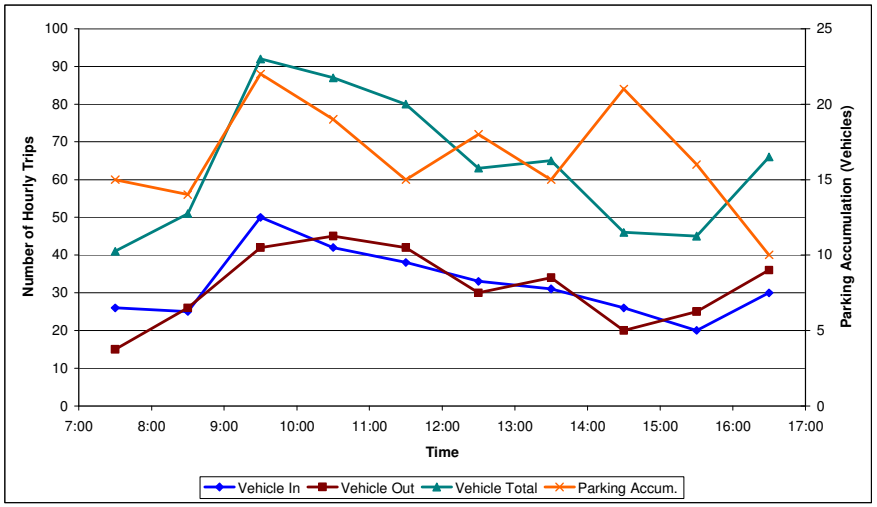

Figure 3-17 HW5 – Survey Results (Thursday) – Vehicle Trips

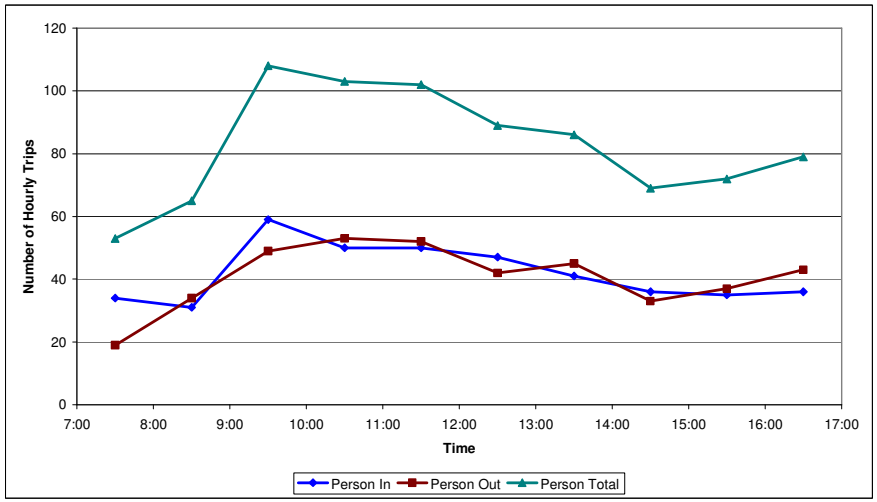

Figure 3-18 HW5 – Survey Results (Thursday) – Person Trips

Table 3-20 HW5 - Survey Results - 15 mins data (Saturday)

HW5			Time:7:30 to 16:00																							
Date: 21March2009			VEHICLES PARKED ON SITE						START	6	END		21		VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS visitors walk in and out)		VISITOR CARS OUTSIDE
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS				
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
7:30	to	7:45	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
7:45	to	8:00	2	2	4	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00	to	8:15	4	1	7	1	1	3	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15	to	8:30	3	4	3	6	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
8:30	to	8:45	2	5	3	5	2	4	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:45	to	9:00	9	8	10	10	7	7	8	8	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0
9:00	to	9:15	8	9	8	10	5	4	6	4	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1
9:15	to	9:30	12	3	12	3	6	6	7	9	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0
9:30	to	9:45	17	5	19	6	8	4	14	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
9:45	to	10:00	14	7	18	12	3	4	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00	to	10:15	8	6	14	8	5	7	6	9	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
10:15	to	10:30	5	10	7	13	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:30	to	10:45	8	8	14	11	0	5	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
10:45	to	11:00	10	10	16	13	6	3	9	3	0	0	0	0	0	0	0	0	0	0	0	0	5	6	1
11:00	to	11:15	10	9	16	14	4	7	6	9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3
11:15	to	11:30	15	8	20	12	8	4	8	6	0	0	0	0	0	0	0	0	0	0	0	0	4	3	0
11:30	to	11:45	10	15	17	23	4	2	4	2	0	0	0	0	0	0	0	0	0	0	0	0	4	2	0
11:45	to	12:00	7	14	10	20	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3	5	0
12:00	to	12:15	14	6	18	9	5	5	6	5	0	0	0	0	0	0	0	0	0	0	0	0	6	2	1
12:15	to	12:30	11	14	13	16	6	6	8	7	0	0	0	0	0	0	0	0	0	0	0	0	3	4	1
12:30	to	12:45	9	17	16	21	12	8	14	9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
12:45	to	13:00	7	10	10	14	8	5	8	8	0	0	0	0	0	0	0	0	0	0	0	0	1	5	2
13:00	to	13:15	9	11	11	16	0	7	0	8	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
13:15	to	13:30	11	10	12	13	7	6	8	6	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0
13:30	to	13:45	18	12	18	16	11	5	13	6	0	0	0	0	0	0	0	0	0	0	0	0	2	4	1
13:45	to	14:00	7	14	9	21	7	8	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
14:00	to	14:15	13	11	13	16	6	5	8	5	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
14:15	to	14:30	13	10	15	12	1	3	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
14:30	to	14:45	11	13	17	18	3	4	5	5	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
14:45	to	15:00	9	10	12	12	2	4	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:00	to	15:15	11	10	15	14	2	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
15:15	to	15:30	13	7	13	9	3	3	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
15:30	to	15:45	2	5	3	6	1	5	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:45	to	16:00	5	4	8	4	2	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	308	288	403	386	140	146	181	173	2	1	2	1	0	0	0	0	0	0	0	0	46	46	16
		Peak	18	17	20	23	12	8	14	11	1	1	1	1	0	0	0	0	0	0	0	0	6	6	4

< Customer Vehicle Data

< Service Vehicle and Pedestrian Data

Table 3-21 HW5 - Survey Results - hourly data (Saturday)

Hourly Data			Light Vehicle											Heavy Vehicle										All									
			Vehicle			Parking Accum.	Parking %	Person (Occupants)						Vehicle			Parking Accum.	Parking %	Person (Occupants)					Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)						
TIME			In	Out	Total	6	37	In	Out	Total	Accum.	In	Out	Total	0	1	In	Out	Total	Accum.	In	Out	Total	6	36	In	Out	Total	Accum.				
7:30	to	8:30	13	13	26	6	16%	22	15	37	7	0	0	0	0	0%	0	0	0	0	13	13	26	6	17%	23	15	38	8				
7:45	to	8:45	16	22	38	1	3%	25	25	50	2	0	0	0	0	0%	0	0	0	0	16	22	38	1	3%	26	25	51	3				
8:00	to	9:00	28	35	63	2	5%	35	41	76	2	1	1	2	0	0%	1	1	2	0	29	36	65	2	6%	38	42	80	4				
8:15	to	9:15	36	44	80	2	5%	40	51	91	2	1	1	2	0	0%	1	1	2	0	37	45	82	2	6%	44	55	99	2				
8:30	to	9:30	51	46	97	11	30%	56	54	110	9	2	1	3	1	100%	2	1	3	1	53	47	100	12	33%	61	58	119	11				
8:45	to	9:45	72	46	118	27	73%	84	54	138	32	2	1	3	1	100%	2	1	3	1	74	47	121	28	78%	89	59	148	33				
9:00	to	10:00	73	42	115	33	89%	87	53	140	36	1	0	1	1	100%	1	0	1	1	74	42	116	34	94%	90	57	147	37				
9:15	to	10:15	73	42	115	33	89%	93	56	149	39	1	0	1	1	100%	1	0	1	1	74	42	116	34	94%	97	57	154	42				
9:30	to	10:30	63	46	109	28	76%	84	60	144	33	0	0	0	1	100%	0	0	0	1	63	46	109	29	81%	86	61	147	36				
9:45	to	10:45	46	50	96	23	62%	65	67	132	30	0	0	0	1	100%	0	0	0	1	46	50	96	24	67%	67	69	136	31				
10:00	to	11:00	45	52	97	26	70%	69	66	135	39	0	0	0	1	100%	0	0	0	1	45	52	97	27	75%	76	74	150	39				
10:15	to	11:15	46	55	101	24	65%	71	72	143	38	0	0	0	1	100%	0	0	0	1	46	55	101	25	69%	77	81	158	38				
10:30	to	11:30	61	54	115	35	95%	89	74	163	48	0	0	0	1	100%	0	0	0	1	61	54	115	36	100%	99	86	185	49				
10:45	to	11:45	67	58	125	32	86%	96	82	178	44	0	0	0	1	100%	0	0	0	1	67	58	125	33	92%	110	94	204	47				
11:00	to	12:00	58	61	119	23	62%	81	88	169	32	0	0	0	1	100%	0	0	0	1	58	61	119	24	67%	93	99	192	33				
11:15	to	12:15	63	56	119	31	84%	83	79	162	42	0	0	0	1	100%	0	0	0	1	63	56	119	32	89%	100	91	191	47				
11:30	to	12:30	57	64	121	28	76%	76	84	160	40	0	0	0	1	100%	0	0	0	1	57	64	121	29	81%	92	97	189	44				
11:45	to	12:45	64	72	136	24	65%	85	89	174	40	0	0	0	1	100%	0	0	0	1	64	72	136	25	69%	98	101	199	44				
12:00	to	13:00	72	71	143	24	65%	93	89	182	36	0	0	0	1	100%	0	0	0	1	72	71	143	25	69%	104	101	205	36				
12:15	to	13:15	62	78	140	15	41%	80	99	179	23	0	0	0	1	100%	0	0	0	1	62	78	140	16	44%	86	109	195	24				
12:30	to	13:30	63	74	137	17	46%	79	95	174	24	0	0	0	1	100%	0	0	0	1	63	74	137	18	50%	86	101	187	29				
12:45	to	13:45	71	66	137	29	78%	80	87	167	33	0	0	0	1	100%	0	0	0	1	71	66	137	30	83%	88	96	184	36				
13:00	to	14:00	70	73	143	21	57%	82	97	179	21	0	0	0	1	100%	0	0	0	1	70	73	143	22	61%	89	103	192	22				
13:15	to	14:15	80	71	151	24	65%	92	94	186	21	0	0	0	1	100%	0	0	0	1	80	71	151	25	69%	101	100	201	25				
13:30	to	14:30	76	68	144	25	68%	89	92	181	21	0	0	0	1	100%	0	0	0	1	76	68	144	26	72%	94	100	194	23				
13:45	to	14:45	61	68	129	22	59%	80	93	173	20	0	0	0	1	100%	0	0	0	1	61	68	129	23	64%	84	98	182	22				
14:00	to	15:00	58	60	118	19	51%	75	77	152	19	0	0	0	1	100%	0	0	0	1	58	60	118	20	56%	79	80	159	21				
14:15	to	15:15	52	56	108	20	54%	72	72	144	21	0	0	0	1	100%	0	0	0	1	52	56	108	21	58%	74	77	151	22				
14:30	to	15:30	54	53	107	26	70%	73	67	140	27	0	0	0	1	100%	0	0	0	1	54	53	107	27	75%	75	70	145	28				
14:45	to	15:45	43	46	89	19	51%	56	56	112	20	0	0	0	1	100%	0	0	0	1	43	46	89	20	56%	57	58	115	21				
15:00	to	16:00	39	38	77	20	54%	52	46	98	25	0	0	0	1	100%	0	0	0	1	39	38	77	21	58%	53	48	101	26				
Peak			80	78	151	35	95%	96	99	186	48	2	1	3	1	1	2	1	3	1	80	78	151	36	100%	110	109	205	49				

* Network peak is highlighted.

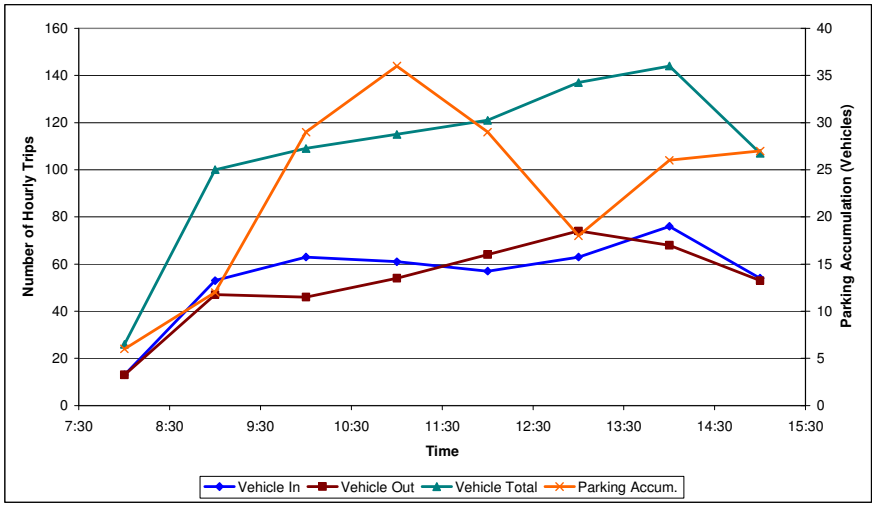

Figure 3-19 HW5 – Survey Results (Saturday) – Vehicle Trips

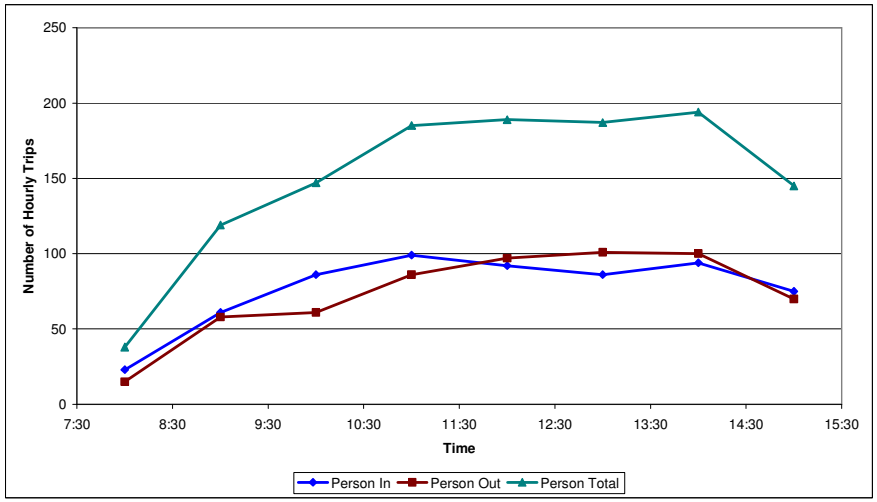

Figure 3-20 HW5 – Survey Results (Saturday) – Person Trips

3.1.6 HW6 – Mitre10 at Morisset

Table 3-22 HW6 - Survey Results - 15 mins data (Thursday)

HW6			Time: 6:30 to 17:30																											
Date: 12March2009			VEHICLES PARKED ON SITE						START		1	END		24			VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS visitors walk in and out)		VISITOR CARS OUTSIDE		
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS				VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS						
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT			
6:30	to	6:45	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	7			
6:45	to	7:00	0	0	0	0	2	0	2	0	0	0	0	0			0	0	0	0	1	1	2	2	1	0	1			
7:00	to	7:15	0	0	0	0	3	4	3	4	0	0	0	0			1	0	1	0	0	0	0	0	0	0	0			
7:15	to	7:30	2	1	2	1	0	0	0	0	0	0	0	0			0	1	0	1	1	1	1	1	0	0	0			
7:30	to	7:45	1	1	1	1	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0			
7:45	to	8:00	3	2	3	2	0	0	0	0	0	0	0	0			0	0	0	0	2	1	2	1	0	0	0			
8:00	to	8:15	3	0	3	0	1	1	2	2	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0			
8:15	to	8:30	4	2	4	2	1	0	1	0	1	0	1	0			1	0	1	0	0	0	0	0	0	0	0			
8:30	to	8:45	3	5	3	5	2	1	2	1	0	1	0	1			0	0	0	0	0	0	0	0	2	0	0			
8:45	to	9:00	6	3	8	3	3	3	3	3	0	0	0	0			0	0	0	0	1	0	1	0	1	0	1			
9:00	to	9:15	3	1	3	2	0	3	0	3	1	0	1	0			0	0	0	0	0	1	0	1	0	0	0			
9:15	to	9:30	6	5	6	5	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0			
9:30	to	9:45	4	3	4	3	1	1	1	1	0	0	0	0			0	0	0	0	0	1	0	1	0	0	0			
9:45	to	10:00	4	5	4	5	3	1	3	1	0	0	0	0			0	1	0	1	0	0	0	0	0	0	0			
10:00	to	10:15	4	3	4	3	4	2	4	2	0	1	0	1			0	0	0	0	0	0	0	0	0	0	0			
10:15	to	10:30	12	8	12	8	3	2	3	2	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0			
10:30	to	10:45	10	5	12	5	1	3	1	3	0	0	0	0			0	1	0	1	0	0	0	0	0	0	0			
10:45	to	11:00	10	8	14	8	3	4	3	4	1	0	1	0			0	0	0	0	0	0	0	0	0	0	0			
11:00	to	11:15	6	7	6	7	4	4	4	4	0	0	0	0			0	1	0	1	0	0	0	0	1	1	0			
11:15	to	11:30	10	3	11	8	8	4	8	0	0	1	0	2			0	0	0	0	0	0	0	0	0	0	0			
11:30	to	11:45	8	9	9	10	2	8	2	8	0	0	0	0	^		0	0	0	0	2	1	2	1	0	0	0			^
11:45	to	12:00	6	10	6	11	7	3	8	3	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0			
12:00	to	12:15	7	7	7	7	5	6	6	6	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0			
12:15	to	12:30	6	4	6	4	3	2	3	2	0	0	0	0			0	0	0	0	1	0	1	0	0	0	0			
12:30	to	12:45	5	6	5	6	4	3	4	3	0	0	0	0			0	0	0	0	1	1	1	1	0	0	0			
12:45	to	13:00	7	3	12	3	0	2	0	2	0	0	0	0			0	0	0	0	1	1	1	1	1	0	0			
13:00	to	13:15	7	7	8	11	2	4	2	4	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0			
13:15	to	13:30	8	10	9	11	2	3	2	3	0	0	0	0			0	0	0	0	1	0	2	0	0	0	0			
13:30	to	13:45	6	6	7	6	2	2	2	2	0	0	0	0			0	0	0	0	0	2	0	2	0	1	0			
13:45	to	14:00	16	10	21	10	5	5	5	6	0	0	0	0			0	0	0	0	1	2	1	2	0	0	0			
14:00	to	14:15	5	5	7	8	10	8	9	9	1	0	1	0			0	0	0	0	1	1	1	1	0	0	0			
14:15	to	14:30	8	10	9	11	2	2	2	2	0	0	0	0			0	0	0	0	0	1	0	1	0	0	0			
14:30	to	14:45	6	7	7	7	1	2	1	2	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0			
14:45	to	15:00	10	9	12	9	3	3	3	3	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0			
15:00	to	15:15	9	10	12	10	3	2	3	2	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0			
15:15	to	15:30	4	8	4	9	1	1	1	2	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0			
15:30	to	15:45	14	5	21	9	4	2	5	2	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0			
15:45	to	16:00	7	8	9	12	4	4	5	4	0	0	0	0			1	0	1	0	1	1	1	1	0	0	0			
16:00	to	16:15	4	6	6	8	0	3	0	3	1	0	1	0			0	0	0	0	1	0	1	0	1	1	1			
16:15	to	16:30	8	9	10	10	3	1	3	1	0	1	0	1			0	0	0	0	0	0	0	0	0	0	0			
16:30	to	16:45	9	7	10	10	3	4	3	6	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0			
16:45	to	17:00	4	10	6	10	1	1	1	1	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0			
17:00	to	17:15	1	6	2	8	1	0	1	0	0	0	0	0			0	0	0	0	1	1	1	1	0	0	0			
17:15	to	17:30	2	6	3	6	0	1	0	1	2	1	2	2			1	0	1	0	1	0	1	0	0	0	1			
		Total	258	240	308	274	107	105	111	107	7	5	7	7			4	4	4	4	17	16	19	17	7	3	11			
		Peak	16	10	21	12	10	8	9	9	2	1	2	2			1	1	1	1	2	2	2	2	2	1	7			

^ Customer Vehicle Data

^ Service Vehicle and Pedestrian Data

Table 3-23 HW6 - Survey Results - hourly data (Thursday)

Hourly Data			Light Vehicle											Heavy Vehicle										All							
			Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)					
TIME			In	Out	Total	1	29	In	Out	Total	Accum.	In	Out	Total	0	1	In	Out	Total	Accum.	In	Out	Total	15	30	In	Out	Total	Accum.		
6:30	to	7:30	8	6	14	3	10%	8	6	14	2	2	2	4	0	0%	3	3	6	0	10	8	18	17	57%	12	9	21	3		
6:45	to	7:45	9	7	16	3	10%	9	7	16	2	2	2	4	0	0%	3	3	6	0	11	9	20	3	10%	13	10	23	3		
7:00	to	8:00	10	9	19	4	14%	10	9	19	3	3	2	5	1	100%	3	2	5	1	13	11	24	5	17%	13	11	24	5		
7:15	to	8:15	10	6	16	7	24%	11	7	18	6	3	2	5	1	100%	3	2	5	1	13	8	21	8	27%	14	9	23	8		
7:30	to	8:30	14	6	20	11	38%	15	7	22	10	3	1	4	2	200%	3	1	4	2	17	7	24	13	43%	18	8	26	13		
7:45	to	8:45	18	11	29	10	34%	19	12	31	9	3	2	5	1	100%	3	2	5	1	21	13	34	11	37%	24	14	38	13		
8:00	to	9:00	24	15	39	13	45%	27	16	43	14	2	1	3	2	200%	2	1	3	2	26	16	42	15	50%	32	17	49	20		
8:15	to	9:15	23	18	41	12	41%	25	19	44	12	3	2	5	2	200%	3	2	5	2	26	20	46	14	47%	31	21	52	18		
8:30	to	9:30	23	21	44	13	45%	25	22	47	13	2	2	4	2	200%	2	2	4	2	25	23	48	15	50%	30	24	54	19		
8:45	to	9:45	23	19	42	14	48%	25	20	45	14	2	2	4	1	100%	2	2	4	1	25	21	46	15	50%	28	22	50	19		
9:00	to	10:00	21	20	41	14	48%	21	21	42	14	1	2	3	1	100%	1	2	3	1	22	22	44	15	50%	22	23	45	19		
9:15	to	10:15	26	21	47	17	59%	26	21	47	17	0	2	2	0	0%	0	2	2	0	26	23	49	17	57%	26	23	49	21		
9:30	to	10:30	35	26	61	22	76%	35	26	61	22	0	2	2	0	0%	0	2	2	0	35	28	63	22	73%	35	28	63	26		
9:45	to	10:45	41	31	72	24	83%	43	31	74	26	0	1	1	0	0%	0	1	1	0	41	32	73	24	80%	43	32	75	30		
10:00	to	11:00	47	36	83	25	86%	53	36	89	31	1	1	2	1	100%	1	1	2	1	48	37	85	26	87%	54	37	91	36		
10:15	to	11:15	49	43	92	23	79%	55	43	98	29	1	0	1	1	100%	1	0	1	1	50	43	93	24	80%	57	44	101	34		
10:30	to	11:30	52	40	92	34	117%	59	41	100	40	1	1	2	0	0%	1	2	3	-1	53	41	94	34	113%	61	44	105	43		
10:45	to	11:45	51	48	99	27	93%	57	50	107	33	3	2	5	1	100%	3	3	6	0	54	50	104	28	93%	61	54	115	37		
11:00	to	12:00	51	49	100	27	93%	54	52	106	33	2	2	4	1	100%	2	3	5	0	53	51	104	28	93%	57	56	113	37		
11:15	to	12:15	53	50	103	26	90%	57	53	110	33	2	2	4	1	100%	2	3	5	0	55	52	107	27	90%	59	56	115	37		
11:30	to	12:30	44	49	93	29	100%	47	51	98	36	3	1	4	2	200%	3	1	4	1	47	50	97	31	103%	50	52	102	41		
11:45	to	12:45	43	41	84	29	100%	45	42	87	36	2	1	3	2	200%	2	1	3	1	45	42	87	31	103%	47	43	90	41		
12:00	to	13:00	37	33	70	31	107%	43	33	76	43	3	2	5	2	200%	3	2	5	1	40	35	75	33	110%	47	35	82	49		
12:15	to	13:15	34	31	65	29	100%	40	35	75	38	3	2	5	2	200%	3	2	5	1	37	33	70	31	103%	44	37	81	44		
12:30	to	13:30	35	38	73	26	90%	42	43	85	35	3	2	5	3	300%	4	2	6	3	38	40	78	29	97%	47	45	92	43		
12:45	to	13:45	34	37	71	26	90%	42	42	84	36	2	3	5	1	100%	3	3	6	1	36	40	76	27	90%	46	46	92	41		
13:00	to	14:00	48	47	95	32	110%	56	53	109	46	2	4	6	0	0%	3	4	7	0	50	51	101	32	107%	59	58	117	50		
13:15	to	14:15	54	49	103	34	117%	62	55	117	45	4	5	9	1	100%	5	5	10	1	58	54	112	35	117%	67	61	128	50		
13:30	to	14:30	54	48	102	32	110%	62	54	116	43	3	6	9	0	0%	3	6	9	0	57	54	111	32	107%	65	61	126	47		
13:45	to	14:45	53	49	102	30	103%	61	55	116	42	3	4	7	0	0%	3	4	7	0	56	53	109	30	100%	64	59	123	46		
14:00	to	15:00	45	46	91	31	107%	50	51	101	45	2	2	4	0	0%	2	2	4	0	47	48	95	31	103%	52	53	105	49		
14:15	to	15:15	42	45	87	31	107%	49	46	95	48	0	1	1	0	0%	0	1	1	0	42	46	88	31	103%	49	47	96	52		
14:30	to	15:30	37	42	79	27	93%	43	44	87	42	0	0	0	0	0%	0	0	0	0	37	42	79	27	90%	43	44	87	46		
14:45	to	15:45	48	40	88	38	131%	61	46	107	57	0	0	0	0	0%	0	0	0	0	48	40	88	38	127%	61	46	107	61		
15:00	to	16:00	47	40	87	38	131%	61	50	111	56	1	1	2	0	0%	1	1	2	0	48	41	89	38	127%	62	51	113	60		
15:15	to	16:15	39	37	76	33	114%	52	49	101	51	3	1	4	2	200%	3	1	4	2	42	38	80	35	117%	56	51	107	57		
15:30	to	16:30	45	38	83	34	117%	60	49	109	53	3	2	5	1	100%	3	2	5	1	48	40	88	35	117%	64	52	116	58		
15:45	to	16:45	39	42	81	35	121%	47	54	101	50	3	2	5	1	100%	3	2	5	1	42	44	86	36	120%	51	57	108	55		
16:00	to	17:00	32	41	73	29	100%	39	49	88	46	2	1	3	1	100%	2	1	3	1	34	42	76	30	100%	42	51	93	51		
16:15	to	17:15	30	38	68	25	86%	36	46	82	41	1	2	3	1	100%	1	2	3	1	31	40	71	26	87%	37	48	85	46		
16:30	to	17:30	22	35	57	21	72%	27	42	69	38	4	2	6	3	300%	4	3	7	2	26	37	63	24	80%	31	45	76	44		
		Peak	54	50	103	38	131%	62	55	117	57	4	6	9	3	3	5	6	10	3	58	54	112	38	127%	67	61	128	61		

* AM network peak and PM network peak are highlighted.

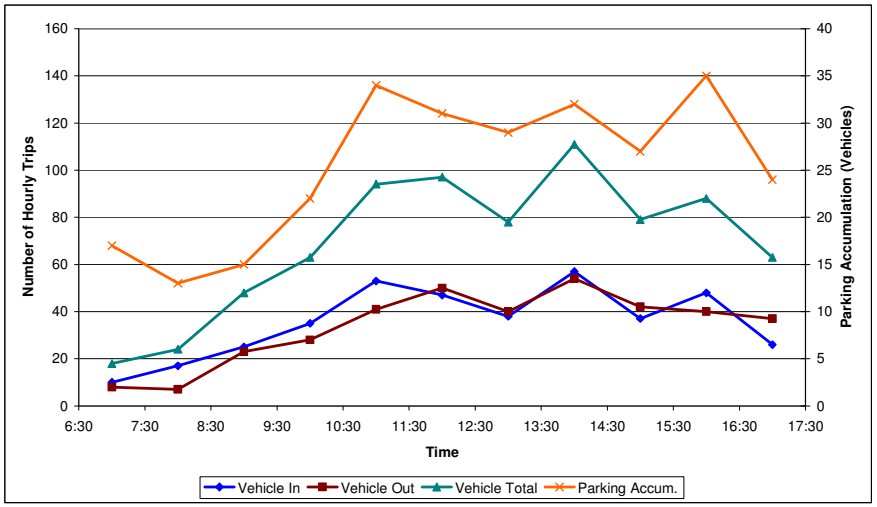

Figure 3-21 HW6 – Survey Results (Thursday) – Vehicle Trips

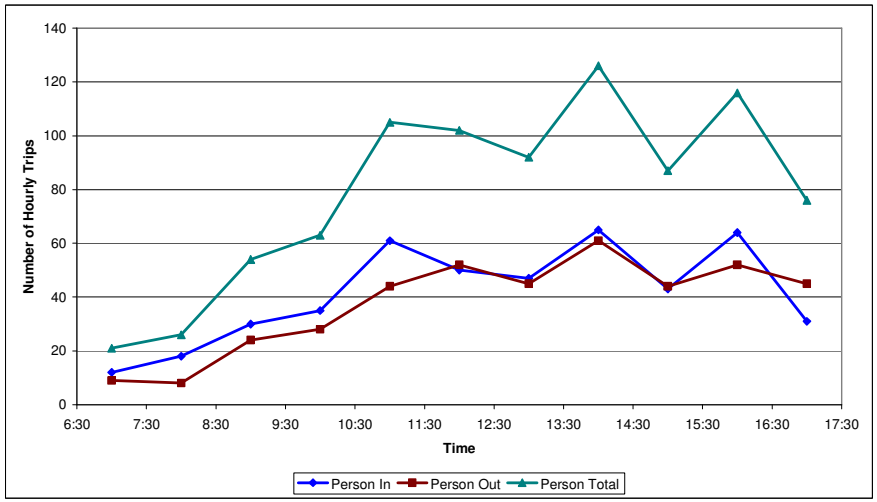

Figure 3-22 HW6 – Survey Results (Thursday) – Person Trips

Table 3-24 HW6 - Survey Results - 15 mins data (Saturday)

HW6			Time: 7:00 to 16:00																							
Date: 14March2009			VEHICLES PARKED ON SITE						START		5		END		10			VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS		VISITOR CARS
15mins Data WEATHER: Sunny/Rain in			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS			VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		visitors walk in and out)		OUTSIDE
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
7:00	to	7:15	1	1	2	1	1	1	1	1	0	0	0	0		0	0	0	0	0	0	0	0	0	0	5
7:15	to	7:30	0	1	0	2	0	2	0	2	0	0	0	0		0	0	0	0	0	0	0	0	0	0	4
7:30	to	7:45	1	0	1	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	5
7:45	to	8:00	6	2	7	2	4	2	4	2	0	0	0	0		0	0	0	0	0	0	0	0	0	0	5
8:00	to	8:15	2	3	2	4	0	1	0	1	0	0	0	0		0	0	0	0	0	0	0	0	2	0	5
8:15	to	8:30	2	1	2	1	0	1	0	1	0	0	0	0		0	0	0	0	0	0	0	0	3	2	4
8:30	to	8:45	8	6	13	6	2	1	2	1	0	0	0	0		0	0	0	0	0	0	0	0	1	1	3
8:45	to	9:00	7	8	10	8	1	2	1	2	0	0	0	0		0	0	0	0	0	0	0	0	1	0	5
9:00	to	9:15	10	7	14	13	3	0	3	0	0	0	0	0		0	0	0	0	0	0	0	0	1	1	7
9:15	to	9:30	8	10	13	15	2	3	2	3	0	0	0	0		0	0	0	0	1	0	1	0	0	0	5
9:30	to	9:45	13	6	22	12	1	3	1	3	0	0	0	0		0	0	0	0	0	0	0	0	2	1	6
9:45	to	10:00	11	13	14	17	6	2	15	6	0	0	0	0		0	0	0	0	0	0	0	0	2	1	7
10:00	to	10:15	9	9	12	18	2	2	2	2	1	0	1	0		0	0	0	0	0	0	0	0	4	3	6
10:15	to	10:30	12	14	15	19	5	1	6	2	0	0	0	0		0	0	0	0	0	0	0	0	1	3	5
10:30	to	10:45	10	9	20	13	1	2	1	3	1	0	2	0		0	0	0	0	0	0	0	0	0	1	6
10:45	to	11:00	7	12	11	17	1	1	1	1	0	2	0	3		0	0	0	0	0	0	0	0	2	3	7
11:00	to	11:15	15	10	24	17	5	4	6	4	0	0	0	0		0	0	0	0	0	0	0	0	3	1	8
11:15	to	11:30	11	9	17	15	1	1	1	1	0	0	0	0		0	0	0	0	0	0	0	0	1	0	7
11:30	to	11:45	7	14	12	22	1	1	2	2	0	0	0	0		0	0	0	0	0	0	0	0	3	6	8
11:45	to	12:00	9	12	13	16	1	3	1	3	0	0	0	0		0	0	0	0	0	0	0	0	3	1	7
12:00	to	12:15	8	11	14	12	6	2	6	2	0	0	0	0		0	0	0	0	0	0	0	0	2	5	8
12:15	to	12:30	6	4	8	6	2	2	3	2	0	0	0	0		0	0	0	1	0	0	0	0	4	5	8
12:30	to	12:45	11	4	14	7	1	1	1	1	0	0	0	0		0	0	0	0	0	0	0	0	1	0	6
12:45	to	13:00	11	13	14	17	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	2	0	7
13:00	to	13:15	9	12	14	15	1	1	1	1	0	0	0	0		1	0	1	0	0	0	0	0	2	1	7
13:15	to	13:30	8	5	10	9	5	0	6	0	0	0	0	0		0	0	0	0	0	0	0	0	0	2	5
13:30	to	13:45	8	6	11	10	2	5	2	5	0	0	0	0		0	0	0	0	0	0	0	0	1	2	5
13:45	to	14:00	7	8	9	7	3	1	3	1	0	0	0	0		0	0	0	0	0	0	0	0	0	3	4
14:00	to	14:15	7	6	7	8	2	0	3	0	0	0	0	0		0	0	0	0	0	0	0	0	2	2	5
14:15	to	14:30	6	6	6	7	0	3	0	3	0	0	0	0		0	0	0	0	0	0	0	0	0	0	4
14:30	to	14:45	5	7	6	10	1	3	1	5	0	0	0	0		0	0	0	0	0	0	0	0	0	2	3
14:45	to	15:00	6	5	8	6	0	4	0	6	0	0	0	0		0	0	0	0	0	0	0	0	2	0	4
15:00	to	15:15	8	8	10	8	1	5	2	7	0	0	0	0		0	1	0	1	0	0	0	0	5	3	5
15:15	to	15:30	5	4	5	6	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	3
15:30	to	15:45	3	4	4	6	0	2	0	5	0	0	0	0		0	0	0	0	0	0	0	0	0	0	3
15:45	to	16:00	4	7	5	9	1	0	1	0	0	0	0	0		0	0	0	0	0	0	0	0	1	2	3
		Total	261	257	369	361	62	62	78	78	2	2	3	3		1	1	1	2	1	0	1	0	51	51	195
		Peak	15	14	24	22	6	5	15	7	1	2	2	3		1	1	1	1	1	0	1	0	5	6	8

^ Customer Vehicle Data

^ Service Vehicle and Pedestrian Data

Table 3-25 HW6 - Survey Results - hourly data (Saturday)

Hourly Data			Light Vehicle										Heavy Vehicle										All								
			Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)			
TIME			In	Out	Total	5	29	In	Out	Total	Accum.	In	Out	Total	0	1	In	Out	Total	Accum.	In	Out	Total	5	30	In	Out	Total	Accum.
7:00	to	8:00	13	9	22	9	31%	15	10	25	5	0	0	0	0	0%	0	0	0	0	13	9	22	9	30%	15	10	25	5
7:15	to	8:15	13	11	24	7	24%	14	13	27	2	0	0	0	0	0%	0	0	0	0	13	11	24	7	23%	16	13	29	4
7:30	to	8:30	15	10	25	7	24%	16	11	27	2	0	0	0	0	0%	0	0	0	0	15	10	25	7	23%	21	13	34	5
7:45	to	8:45	24	17	41	10	34%	30	18	48	10	0	0	0	0	0%	0	0	0	0	24	17	41	10	33%	36	21	57	13
8:00	to	9:00	22	23	45	8	28%	30	24	54	11	0	0	0	0	0%	0	0	0	0	22	23	45	8	27%	37	27	64	15
8:15	to	9:15	33	26	59	14	48%	45	32	77	15	0	0	0	0	0%	0	0	0	0	33	26	59	14	47%	51	36	87	19
8:30	to	9:30	41	37	78	11	38%	58	48	106	12	1	0	1	1	100%	1	0	1	1	42	37	79	12	40%	62	50	112	17
8:45	to	9:45	45	39	84	16	55%	66	56	122	20	1	0	1	1	100%	1	0	1	1	46	39	85	17	57%	71	58	129	26
9:00	to	10:00	54	44	98	18	62%	84	69	153	26	1	0	1	1	100%	1	0	1	1	55	44	99	19	63%	90	72	162	33
9:15	to	10:15	52	48	100	18	62%	81	76	157	20	2	0	2	2	200%	2	0	2	2	54	48	102	20	67%	91	81	172	29
9:30	to	10:30	59	50	109	20	69%	87	79	166	20	1	0	1	2	200%	1	0	1	2	60	50	110	22	73%	97	87	184	27
9:45	to	10:45	56	52	108	20	69%	85	80	165	25	2	0	2	3	300%	3	0	3	4	58	52	110	23	77%	95	88	183	33
10:00	to	11:00	47	50	97	15	52%	68	75	143	19	2	2	4	1	100%	3	3	6	1	49	52	101	16	53%	78	88	166	23
10:15	to	11:15	56	53	109	21	72%	84	76	160	28	1	2	3	1	100%	2	3	5	1	57	55	112	22	73%	92	87	179	34
10:30	to	11:30	51	48	99	23	79%	81	71	152	30	1	2	3	1	100%	2	3	5	1	52	50	102	24	80%	89	79	168	37
10:45	to	11:45	48	52	100	16	55%	74	79	153	20	0	2	2	1	100%	0	3	3	1	48	54	102	17	57%	83	92	175	24
11:00	to	12:00	50	54	104	11	38%	76	80	156	15	0	0	0	1	100%	0	0	0	1	50	54	104	12	40%	86	88	174	21
11:15	to	12:15	44	53	97	12	41%	66	73	139	21	0	0	0	1	100%	0	0	0	1	44	53	97	13	43%	75	85	160	24
11:30	to	12:30	40	49	89	14	48%	59	66	125	23	0	0	0	1	100%	0	0	0	1	40	49	89	15	50%	71	83	154	25
11:45	to	12:45	44	39	83	21	72%	60	50	110	30	0	0	0	1	100%	0	0	0	1	44	39	83	22	73%	70	61	131	33
12:00	to	13:00	45	37	82	19	66%	60	48	108	27	0	0	0	1	100%	0	0	0	1	45	37	82	20	67%	69	58	127	32
12:15	to	13:15	42	37	79	17	59%	56	50	106	27	0	0	0	1	100%	0	0	0	1	42	37	79	18	60%	65	56	121	33
12:30	to	13:30	47	36	83	25	86%	61	50	111	34	0	0	0	1	100%	0	0	0	1	47	36	83	26	87%	66	53	119	38
12:45	to	13:45	45	42	87	24	83%	59	57	116	32	0	0	0	1	100%	0	0	0	1	45	42	87	25	83%	64	62	126	35
13:00	to	14:00	44	38	82	25	86%	57	48	105	36	0	0	0	1	100%	0	0	0	1	44	38	82	26	87%	60	56	116	36
13:15	to	14:15	42	31	73	28	97%	51	40	91	38	0	0	0	1	100%	0	0	0	1	42	31	73	29	97%	54	49	103	38
13:30	to	14:30	35	35	70	25	86%	41	41	82	34	0	0	0	1	100%	0	0	0	1	35	35	70	26	87%	44	48	92	34
13:45	to	14:45	31	34	65	21	72%	35	41	76	26	0	0	0	1	100%	0	0	0	1	31	34	65	22	73%	37	48	85	24
14:00	to	15:00	27	34	61	18	62%	31	45	76	22	0	0	0	1	100%	0	0	0	1	27	34	61	19	63%	35	49	84	22
14:15	to	15:15	27	42	69	13	45%	33	53	86	18	0	0	0	1	100%	0	0	0	1	27	42	69	14	47%	40	58	98	20
14:30	to	15:30	26	37	63	14	48%	32	49	81	17	0	0	0	1	100%	0	0	0	1	26	37	63	15	50%	39	54	93	19
14:45	to	15:45	23	33	56	11	38%	29	45	74	10	0	0	0	1	100%	0	0	0	1	23	33	56	12	40%	36	48	84	12
15:00	to	16:00	22	31	53	9	31%	27	42	69	7	0	0	0	1	100%	0	0	0	1	22	31	53	10	33%	33	47	80	8
		Peak	59	54	109	28	97%	87	80	166	38	2	2	4	3	3	3	3	6	4	60	55	112	29	97%	97	92	184	38

* Network peak is highlighted.

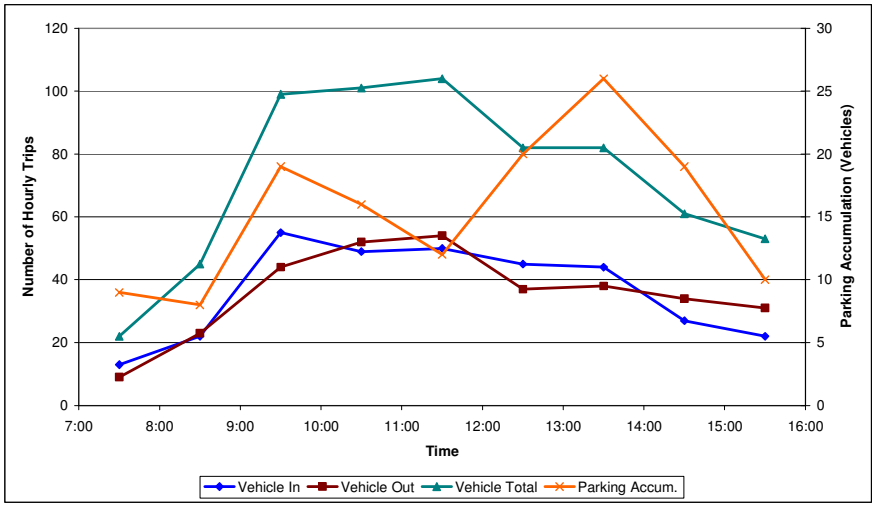

Figure 3-23 HW6 – Survey Results (Saturday) – Vehicle Trips

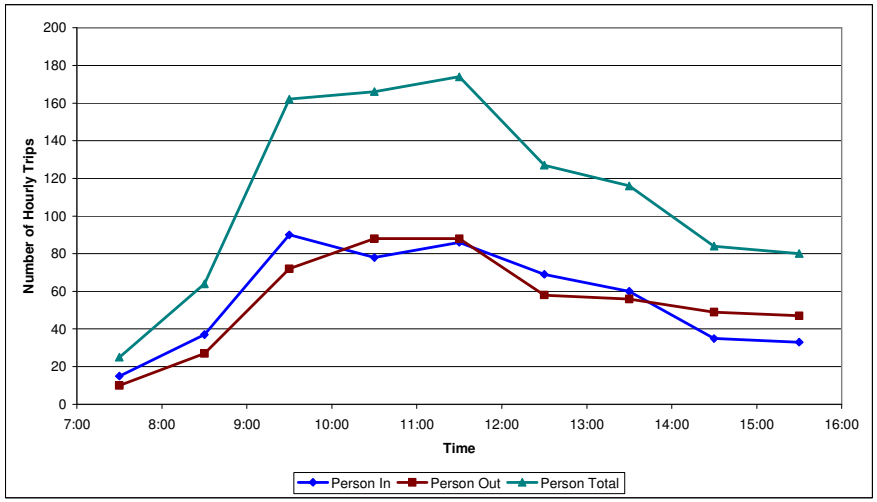

Figure 3-24 HW6 – Survey Results (Saturday) – Person Trips

3.1.7 HW7 – Mitre10 at Picton

Table 3-26 HW7- Survey Results - 15 mins data (Thursday)

HW7			Time:7:30 to 17:00																									
DATE: 26 March 2009			VEHICLES PARKED ON SITE						START		3		END		9			VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS visitors walk in and out)		VISITOR CARS OUTSIDE	
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS			VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS						
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
7:30	to	7:45	2	1	3	1	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0
7:45	to	8:00	5	2	5	2	1	0	2	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	2
8:00	to	8:15	3	5	3	6	3	3	3	3	0	0	0	0		0	0	0	0	1	0	1	0	0	0	0	0	2
8:15	to	8:30	5	3	6	3	2	2	2	2	1	0	2	0		0	0	0	0	0	0	0	0	0	0	0	0	2
8:30	to	8:45	6	2	10	2	5	1	6	1	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	2
8:45	to	9:00	7	5	7	7	3	2	3	2	0	1	0	2		0	0	0	0	1	0	2	0	0	0	0	0	2
9:00	to	9:15	6	7	6	7	2	5	2	6	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	3
9:15	to	9:30	5	5	6	8	5	3	6	3	0	0	0	0		0	0	0	0	0	1	0	1	1	0	1	0	2
9:30	to	9:45	2	2	3	3	2	2	2	2	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	2
9:45	to	10:00	3	3	4	3	1	7	2	9	0	0	0	0		0	0	0	0	0	1	0	1	0	1	0	1	2
10:00	to	10:15	7	5	8	5	2	3	3	3	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	2
10:15	to	10:30	3	2	5	3	3	2	3	2	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	2
10:30	to	10:45	9	3	11	4	2	1	2	1	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	2
10:45	to	11:00	3	2	4	2	6	1	6	1	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	2
11:00	to	11:15	5	3	5	3	1	5	1	5	0	0	0	0		0	0	0	0	1	0	1	0	0	0	0	0	2
11:15	to	11:30	7	5	9	6	2	3	1	1	0	0	0	0		0	0	0	0	0	1	0	1	0	0	0	0	2
11:30	to	11:45	5	2	7	3	1	0	1	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	3
11:45	to	12:00	7	11	4	6	2	2	2	2	1	1	1	1		0	0	0	0	1	0	1	0	0	0	0	0	2
12:00	to	12:15	3	3	4	5	1	1	1	1	1	0	2	0		0	0	0	0	0	0	0	0	0	0	0	0	2
12:15	to	12:30	7	7	13	9	2	1	2	1	0	1	0	2		0	0	0	0	0	0	0	0	0	0	0	0	2
12:30	to	12:45	1	4	1	8	0	1	0	1	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	2
12:45	to	13:00	2	5	3	8	3	2	3	3	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	3
13:00	to	13:15	3	7	3	11	2	3	3	5	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	3
13:15	to	13:30	3	3	3	5	5	5	5	5	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	5
13:30	to	13:45	4	7	4	9	3	2	4	4	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	3
13:45	to	14:00	3	2	5	3	2	1	2	3	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	2
14:00	to	14:15	5	2	6	3	4	2	6	2	1	0	1	0		0	0	0	0	0	0	0	0	0	0	0	0	5
14:15	to	14:30	8	11	8	13	3	1	4	1	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	3
14:30	to	14:45	3	5	5	8	5	2	7	3	0	1	0	1		0	0	0	0	1	0	1	0	0	0	0	0	3
14:45	to	15:00	2	5	5	9	6	1	6	1	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	2
15:00	to	15:15	5	7	5	8	3	5	5	6	0	0	0	0		0	0	0	0	0	1	0	1	0	0	0	0	3
15:15	to	15:30	5	2	6	3	2	5	3	5	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	2
15:30	to	15:45	7	7	9	7	3	2	3	3	0	0	0	0		0	0	0	0	0	0	0	0	1	0	0	0	3
15:45	to	16:00	8	3	11	3	0	5	0	5	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	2
16:00	to	16:15	2	5	3	8	1	3	2	8	1	0	1	0		0	0	0	0	0	0	0	0	0	0	0	0	3
16:15	to	16:30	3	7	5	7	1	2	2	2	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	3
16:30	to	16:45	3	8	3	9	0	0	0	0	0	1	0	1		0	0	0	0	0	0	0	0	0	0	0	0	3
16:45	to	17:00	5	2	6	3	3	3	3	3	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	3
		Total	172	170	214	213	92	89	108	105	5	5	7	7		0	0	0	0	5	4	6	4	2	1	93		
		Peak	9	11	13	13	6	7	7	9	1	1	2	2		0	0	0	0	1	1	2	1	1	1	5		

< Customer Vehicle Data >

< Service Vehicle and Pedestrian Data >

Table 3-27 HW7 - Survey Results - hourly data (Thursday)

Hourly Data			Light Vehicle									Heavy Vehicle									All								
			Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)			
TIME			In	Out	Total	3	75	In	Out	Total	Accum.	In	Out	Total	0	5	In	Out	Total	Accum.	In	Out	Total	3	80	In	Out	Total	Accum.
7:30	to	8:30	21	16	37	8	11%	24	17	41	7	2	0	2	2	40%	3	0	3	3	23	16	39	10	13%	27	17	44	10
7:45	to	8:45	30	18	48	16	21%	37	19	56	20	2	0	2	2	40%	3	0	3	3	32	18	50	18	23%	40	19	59	23
8:00	to	9:00	34	23	57	19	25%	40	26	66	21	3	1	4	2	40%	5	2	7	3	37	24	61	21	26%	45	28	73	24
8:15	to	9:15	36	27	63	15	20%	42	30	72	16	2	1	3	2	40%	4	2	6	3	38	28	66	17	21%	46	32	78	19
8:30	to	9:30	39	30	69	17	23%	46	36	82	17	1	2	3	1	20%	2	3	5	2	40	32	72	18	23%	49	39	88	20
8:45	to	9:45	32	31	63	17	23%	35	38	73	17	1	2	3	1	20%	2	3	5	2	33	33	66	18	23%	38	41	79	20
9:00	to	10:00	26	34	60	11	15%	31	41	72	11	0	2	2	0	0%	0	2	2	1	26	36	62	11	14%	32	44	76	12
9:15	to	10:15	27	30	57	12	16%	34	36	70	14	0	2	2	0	0%	0	2	2	1	27	32	59	12	15%	35	39	74	15
9:30	to	10:30	23	26	49	14	19%	30	30	60	17	0	1	1	0	0%	0	1	1	1	23	27	50	14	18%	30	32	62	18
9:45	to	10:45	30	26	56	21	28%	38	30	68	25	0	1	1	0	0%	0	1	1	1	30	27	57	21	26%	38	32	70	26
10:00	to	11:00	35	19	54	27	36%	42	21	63	32	0	0	0	0	0%	0	0	0	1	35	19	54	27	34%	42	21	63	33
10:15	to	11:15	32	19	51	25	33%	37	21	58	30	1	0	1	1	20%	1	0	1	2	33	19	52	26	33%	38	21	59	32
10:30	to	11:30	35	23	58	26	35%	39	23	62	33	1	1	2	0	0%	1	1	2	1	36	24	60	26	33%	40	24	64	34
10:45	to	11:45	30	21	51	30	40%	34	21	55	38	1	1	2	0	0%	1	1	2	1	31	22	53	30	38%	35	22	57	39
11:00	to	12:00	30	31	61	26	35%	30	26	56	36	3	2	5	1	20%	3	2	5	2	33	33	66	27	34%	33	28	61	38
11:15	to	12:15	28	27	55	26	35%	29	24	53	35	3	2	5	2	40%	4	2	6	4	31	29	60	28	35%	33	26	59	39
11:30	to	12:30	28	27	55	27	36%	34	27	61	40	3	2	5	1	20%	4	3	7	2	31	29	60	28	35%	38	30	68	42
11:45	to	12:45	23	30	53	23	31%	27	33	60	32	3	2	5	1	20%	4	3	7	2	26	32	58	24	30%	31	36	67	34
12:00	to	13:00	19	24	43	21	28%	27	36	63	27	1	1	2	1	20%	2	2	4	2	20	25	45	22	28%	29	38	67	29
12:15	to	13:15	20	30	50	16	21%	28	46	74	17	0	1	1	1	20%	0	2	2	2	20	31	51	17	21%	28	48	76	19
12:30	to	13:30	19	30	49	16	21%	21	46	67	15	0	0	0	1	20%	0	0	0	2	19	30	49	17	21%	21	46	67	17
12:45	to	13:45	25	34	59	14	19%	28	50	78	10	0	0	0	1	20%	0	0	0	2	25	34	59	15	19%	28	50	78	12
13:00	to	14:00	25	30	55	16	21%	29	45	74	11	0	0	0	1	20%	0	0	0	2	25	30	55	17	21%	29	45	74	13
13:15	to	14:15	29	24	53	21	28%	35	34	69	18	1	0	1	2	40%	1	0	1	3	30	24	54	23	29%	36	34	70	21
13:30	to	14:30	32	28	60	20	27%	39	38	77	16	1	0	1	2	40%	1	0	1	3	33	28	61	22	28%	40	38	78	19
13:45	to	14:45	33	26	59	21	28%	43	36	79	17	2	1	3	2	40%	2	1	3	3	35	27	62	23	29%	45	37	82	20
14:00	to	15:00	36	29	65	23	31%	47	40	87	18	2	1	3	2	40%	2	1	3	3	38	30	68	25	31%	49	41	90	21
14:15	to	15:15	35	37	72	19	25%	45	49	94	14	1	2	3	1	20%	1	2	3	2	36	39	75	20	25%	46	51	97	16
14:30	to	15:30	31	32	63	19	25%	42	43	85	15	1	2	3	1	20%	1	2	3	2	32	34	66	20	25%	43	45	88	17
14:45	to	15:45	33	34	67	20	27%	42	42	84	17	0	1	1	1	20%	0	1	1	2	33	35	68	21	26%	43	43	86	20
15:00	to	16:00	33	36	69	20	27%	42	40	82	20	0	1	1	1	20%	0	1	1	2	33	37	70	21	26%	43	41	84	23
15:15	to	16:15	28	32	60	15	20%	37	42	79	9	1	0	1	2	40%	1	0	1	3	29	32	61	17	21%	39	42	81	13
15:30	to	16:30	25	34	59	10	13%	35	43	78	7	1	0	1	2	40%	1	0	1	3	26	34	60	12	15%	37	43	80	11
15:45	to	16:45	18	33	51	5	7%	26	42	68	1	1	1	2	1	20%	1	1	2	2	19	34	53	6	8%	27	43	70	4
16:00	to	17:00	18	30	48	8	11%	24	40	64	4	1	1	2	1	20%	1	1	2	2	19	31	50	9	11%	25	41	66	7
		Peak	39	37	72	30	40%	47	50	94	40	3	2	5	2	0.4	5	3	7	4	40	39	75	30	38%	49	51	97	42

* AM network peak and PM network peak are highlighted.

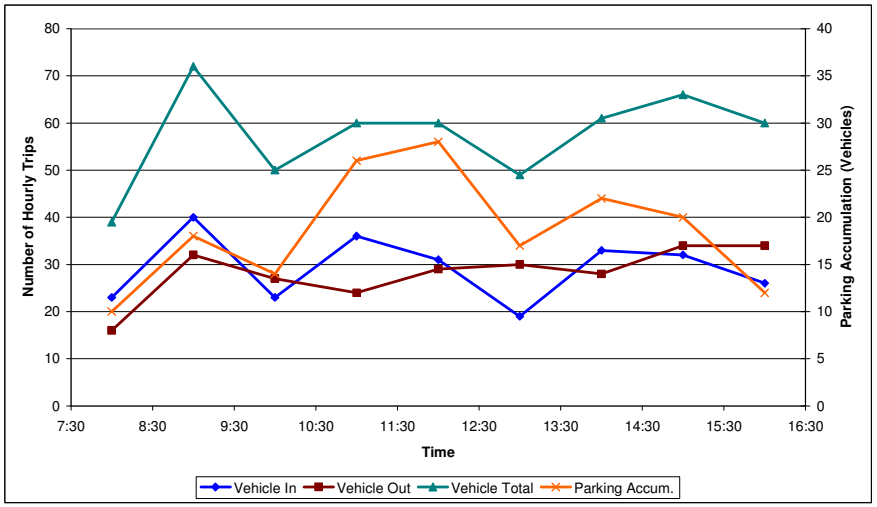

Figure 3-25 HW7 – Survey Results (Thursday) – Vehicle Trips

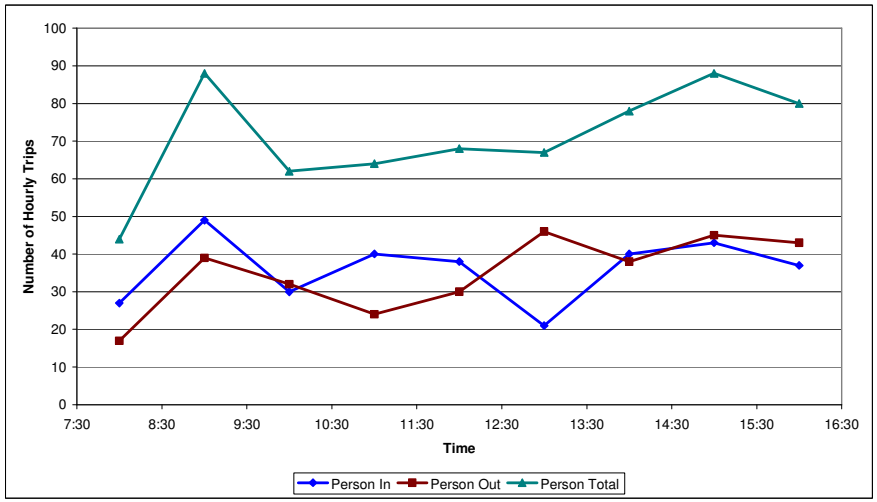

Figure 3-26 HW7 – Survey Results (Thursday) – Person Trips

Table 3-28 HW7 - Survey Results - 15 mins data (Saturday)

HW7			Time:7:00 to 16:00																													
DATE: 28 March 2009			VEHICLES PARKED ON SITE						START		5	END		10			VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS		VISITOR CARS					
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS				VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		visitors walk in and out)		OUTSIDE					
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT						
7:00	to	7:15	3	2	4	3	1	0	1	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	1					
7:15	to	7:30	2	3	2	5	2	0	2	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0					
7:30	to	7:45	5	1	5	2	0	2	0	3	0	0	0	0			0	0	0	0	0	0	0	0	0	0	1					
7:45	to	8:00	2	2	3	5	3	1	4	2	0	0	0	0			0	0	0	0	0	0	0	0	0	0	1					
8:00	to	8:15	1	3	3	3	2	2	2	2	0	0	0	0			0	0	0	0	0	0	0	0	0	0	1					
8:15	to	8:30	3	5	4	6	5	0	6	0	0	0	0	0			0	0	0	0	0	0	0	0	1	0	1					
8:30	to	8:45	7	2	7	2	3	3	4	3	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0					
8:45	to	9:00	5	5	5	7	2	2	2	3	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0					
9:00	to	9:15	6	7	8	7	1	1	1	1	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0					
9:15	to	9:30	3	2	5	3	2	2	3	3	0	0	0	0			0	0	0	0	0	0	0	0	0	0	1					
9:30	to	9:45	7	7	11	9	2	5	4	6	0	0	0	0			0	0	0	0	0	0	0	0	1	0	0					
9:45	to	10:00	11	3	13	4	2	2	2	2	0	0	0	0			0	0	0	0	0	0	0	0	0	1	0					
10:00	to	10:15	5	5	7	6	3	0	3	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	1					
10:15	to	10:30	3	7	4	9	5	0	6	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0					
10:30	to	10:45	3	3	4	4	2	0	3	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0					
10:45	to	11:00	5	7	7	9	3	3	4	4	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0					
11:00	to	11:15	4	5	9	5	2	0	3	0	0	0	0	0			0	0	0	0	0	0	0	0	1	0	1					
11:15	to	11:30	4	6	5	7	2	3	2	4	0	0	0	0			0	0	0	0	0	0	0	0	0	1	1					
11:30	to	11:45	7	3	11	6	1	2	2	2	0	0	0	0			0	0	0	0	0	0	0	0	1	0	0					
11:45	to	12:00	6	6	8	7	0	1	0	2	0	0	0	0			0	0	0	0	0	0	0	0	2	3	0					
12:00	to	12:15	8	6	13	13	2	1	2	3	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0					
12:15	to	12:30	7	4	12	5	6	3	10	4	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0					
12:30	to	12:45	9	5	14	6	4	3	4	7	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0					
12:45	to	13:00	5	7	8	11	7	1	9	1	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0					
13:00	to	13:15	3	3	6	5	4	4	4	5	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0					
13:15	to	13:30	3	5	4	5	4	4	4	5	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0					
13:30	to	13:45	2	3	2	6	5	4	6	4	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0					
13:45	to	14:00	1	3	3	3	3	5	3	5	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0					
14:00	to	14:15	2	5	3	5	2	8	3	8	0	0	0	0			0	0	0	0	0	0	0	0	1	0	1					
14:15	to	14:30	3	3	3	3	1	2	2	2	0	0	0	0			0	0	0	0	0	0	0	0	0	2	2					
14:30	to	14:45	5	3	5	5	2	5	2	5	0	0	0	0			0	0	0	0	0	0	0	0	0	0	1					
14:45	to	15:00	2	3	3	3	3	4	3	4	0	0	0	0			0	0	0	0	0	0	0	0	0	0	1					
15:00	to	15:15	5	7	6	9	2	6	3	7	0	0	0	0			0	0	0	0	0	0	0	0	0	0	2					
15:15	to	15:30	3	2	5	3	1	5	1	5	0	0	0	0			0	0	0	0	0	0	0	0	0	0	1					
15:30	to	15:45	2	5	3	5	2	3	2	3	0	0	0	0			0	0	0	0	0	0	0	0	0	0	1					
15:45	to	16:00	2	2	3	2	2	5	3	5	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0					
		Total	154	150	218	198	93	92	115	110	0	0	0	0			0	0	0	0	0	0	0	0	7	7	18					
		Peak	11	7	14	13	7	8	10	8	0	0	0	0			0	0	0	0	0	0	0	0	2	3	2					

< Customer Vehicle Data

< Service Vehicle and Pedestrian Data

Table 3-29 HW7 - Survey Results - hourly data (Saturday)

Hourly Data			Light Vehicle											Heavy Vehicle										All									
			Vehicle			Parking Accum.	Parking %	Person (Occupants)						Vehicle			Parking Accum.	Parking %	Person (Occupants)					Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)						
TIME			In	Out	Total	5	75	In	Out	Total	Accum.	In	Out	Total	0	5	In	Out	Total	Accum.	In	Out	Total	5	80	In	Out	Total	Accum.				
7:00	to	8:00	18	11	29	12	16%	21	20	41	1	0	0	0	0	0%	0	0	0	0	18	11	29	12	15%	21	20	41	1				
7:15	to	8:15	17	14	31	10	13%	21	22	43	1	0	0	0	0	0%	0	0	0	0	17	14	31	10	13%	21	22	43	1				
7:30	to	8:30	21	16	37	13	17%	27	23	50	5	0	0	0	0	0%	0	0	0	0	21	16	37	13	16%	28	23	51	6				
7:45	to	8:45	26	18	44	18	24%	33	23	56	11	0	0	0	0	0%	0	0	0	0	26	18	44	18	23%	34	23	57	12				
8:00	to	9:00	28	22	50	18	24%	33	26	59	8	0	0	0	0	0%	0	0	0	0	28	22	50	18	23%	34	26	60	9				
8:15	to	9:15	32	25	57	17	23%	37	29	66	9	0	0	0	0	0%	0	0	0	0	32	25	57	17	21%	38	29	67	10				
8:30	to	9:30	29	24	53	18	24%	35	29	64	11	0	0	0	0	0%	0	0	0	0	29	24	53	18	23%	35	29	64	12				
8:45	to	9:45	28	31	59	15	20%	39	39	78	11	0	0	0	0	0%	0	0	0	0	28	31	59	15	19%	40	39	79	13				
9:00	to	10:00	34	29	63	23	31%	47	35	82	20	0	0	0	0	0%	0	0	0	0	34	29	63	23	29%	48	36	84	21				
9:15	to	10:15	35	26	61	26	35%	48	33	81	24	0	0	0	0	0%	0	0	0	0	35	26	61	26	33%	49	34	83	25				
9:30	to	10:30	38	29	67	27	36%	50	36	86	25	0	0	0	0	0%	0	0	0	0	38	29	67	27	34%	51	37	88	26				
9:45	to	10:45	34	20	54	29	39%	42	25	67	28	0	0	0	0	0%	0	0	0	0	34	20	54	29	36%	42	26	68	29				
10:00	to	11:00	29	25	54	27	36%	38	32	70	26	0	0	0	0	0%	0	0	0	0	29	25	54	27	34%	38	32	70	27				
10:15	to	11:15	27	25	52	28	37%	40	31	71	33	0	0	0	0	0%	0	0	0	0	27	25	52	28	35%	41	31	72	35				
10:30	to	11:30	25	27	52	25	33%	37	33	70	29	0	0	0	0	0%	0	0	0	0	25	27	52	25	31%	38	34	72	30				
10:45	to	11:45	28	29	57	28	37%	43	37	80	34	0	0	0	0	0%	0	0	0	0	28	29	57	28	35%	45	38	83	36				
11:00	to	12:00	26	26	52	27	36%	40	33	73	33	0	0	0	0	0%	0	0	0	0	26	26	52	27	34%	44	37	81	34				
11:15	to	12:15	30	28	58	30	40%	43	44	87	32	0	0	0	0	0%	0	0	0	0	30	28	58	30	38%	46	48	94	33				
11:30	to	12:30	37	26	63	36	48%	58	42	100	45	0	0	0	0	0%	0	0	0	0	37	26	63	36	45%	61	45	106	46				
11:45	to	12:45	42	29	71	41	55%	63	47	110	50	0	0	0	0	0%	0	0	0	0	42	29	71	41	51%	65	50	115	51				
12:00	to	13:00	48	30	78	45	60%	72	50	122	55	0	0	0	0	0%	0	0	0	0	48	30	78	45	56%	72	50	122	56				
12:15	to	13:15	45	30	75	45	60%	67	44	111	55	0	0	0	0	0%	0	0	0	0	45	30	75	45	56%	67	44	111	56				
12:30	to	13:30	39	32	71	43	57%	53	45	98	53	0	0	0	0	0%	0	0	0	0	39	32	71	43	54%	53	45	98	54				
12:45	to	13:45	33	31	64	43	57%	43	42	85	51	0	0	0	0	0%	0	0	0	0	33	31	64	43	54%	43	42	85	52				
13:00	to	14:00	25	31	56	39	52%	32	38	70	49	0	0	0	0	0%	0	0	0	0	25	31	56	39	49%	32	38	70	50				
13:15	to	14:15	22	37	59	30	40%	28	41	69	42	0	0	0	0	0%	0	0	0	0	22	37	59	30	38%	29	41	70	44				
13:30	to	14:30	19	33	52	29	39%	25	36	61	42	0	0	0	0	0%	0	0	0	0	19	33	52	29	36%	26	38	64	42				
13:45	to	14:45	19	34	53	28	37%	24	36	60	39	0	0	0	0	0%	0	0	0	0	19	34	53	28	35%	25	38	63	39				
14:00	to	15:00	20	33	53	26	35%	24	35	59	38	0	0	0	0	0%	0	0	0	0	20	33	53	26	33%	25	37	62	38				
14:15	to	15:15	23	33	56	20	27%	27	38	65	31	0	0	0	0	0%	0	0	0	0	23	33	56	20	25%	27	40	67	31				
14:30	to	15:30	23	35	58	17	23%	28	41	69	29	0	0	0	0	0%	0	0	0	0	23	35	58	17	21%	28	41	69	29				
14:45	to	15:45	20	35	55	13	17%	26	39	65	26	0	0	0	0	0%	0	0	0	0	20	35	55	13	16%	26	39	65	26				
15:00	to	16:00	19	35	54	10	13%	26	39	65	25	0	0	0	0	0%	0	0	0	0	19	35	54	10	13%	26	39	65	25				
Peak			48	37	78	45	60%	72	50	122	55	0	0	0	0	0	0	0	0	0	0	48	37	78	45	56%	72	50	122	56				

* Network peak is highlighted.

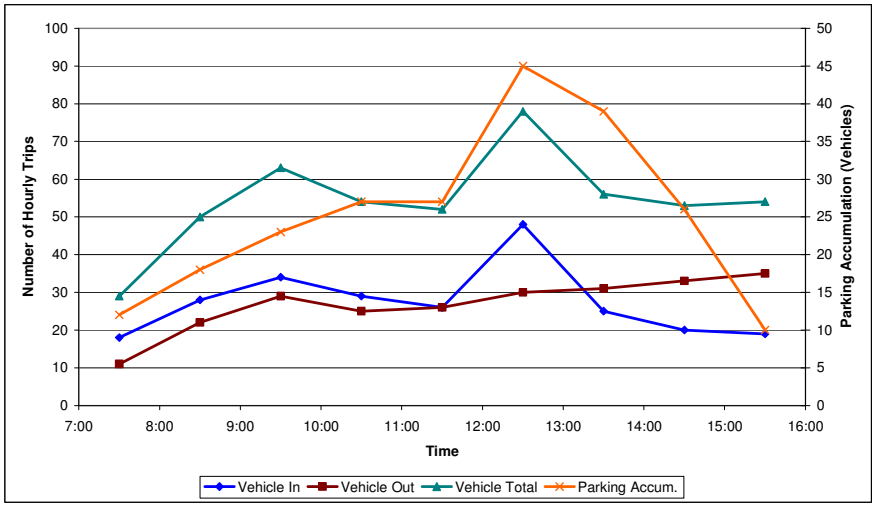

Figure 3-27 HW7 – Survey Results (Saturday) – Vehicle Trips

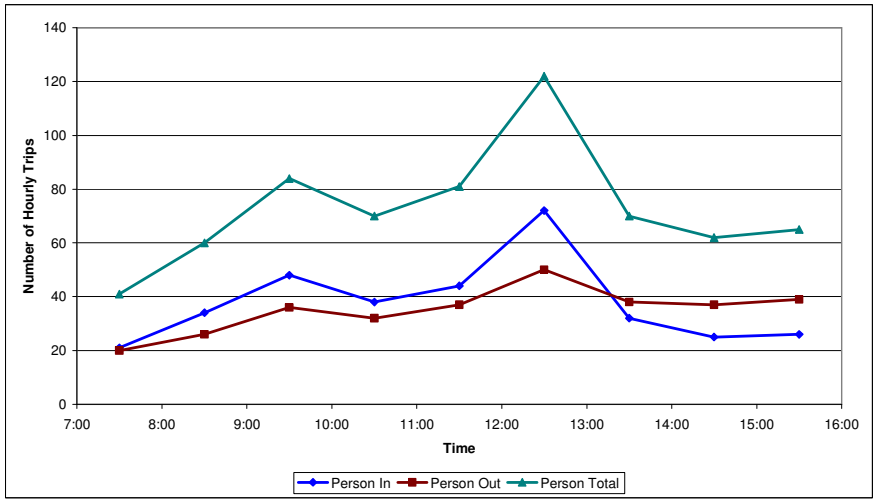

Figure 3-28 HW7 – Survey Results (Saturday) – Person Trips

3.1.8 HW8 – Bunnings at South Nowra

Table 3-30 HW8 - Survey Results - 15 mins data (Thursday)

HW8			Time:7:00 to 21:00																							
Date: 26 March 2009			VEHICLES PARKED ON SITE						START	19	END	7			VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS		VISITOR CARS	
15mins Data WEATHER: Sunny and late rain			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS			VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		visitors walk in and out)		
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	OUTSIDE
7:00	to	7:15	2	0	2	0	1	0	1	0	1	0	1	0		0	0	0	0	0	0	0	0	0	0	0
7:15	to	7:30	3	2	4	3	0	1	0	1	0	1	0	1		0	1	0	1	0	0	0	0	0	0	0
7:30	to	7:45	6	1	8	1	1	1	1	1	0	0	0	0		1	1	1	1	1	0	1	0	0	0	0
7:45	to	8:00	4	3	5	3	2	1	2	1	1	0	1	0		0	0	0	0	1	0	1	0	0	0	0
8:00	to	8:15	9	2	10	4	6	1	8	1	1	0	1	0		1	0	1	0	0	2	0	2	0	0	0
8:15	to	8:30	6	8	8	10	2	5	2	5	0	0	0	0		0	1	0	1	1	0	1	0	0	0	0
8:30	to	8:45	16	6	19	7	2	3	2	3	0	0	0	0		0	0	0	0	0	1	0	1	0	0	0
8:45	to	9:00	13	7	17	8	9	1	10	1	2	2	2	2		0	0	0	0	1	0	1	0	0	0	0
9:00	to	9:15	15	13	18	14	5	5	6	5	2	2	3	2		0	1	0	1	0	0	0	0	0	0	0
9:15	to	9:30	16	12	18	15	7	6	11	8	0	1	0	2		0	0	0	0	0	0	0	0	0	2	0
9:30	to	9:45	24	12	38	14	8	4	11	5	0	1	0	1		0	0	0	0	0	0	0	0	3	4	0
9:45	to	10:00	19	12	23	18	4	12	4	17	1	1	1	1		0	0	0	0	1	1	1	1	0	1	0
10:00	to	10:15	21	20	29	25	4	1	5	1	2	1	2	1		0	0	0	0	2	1	2	1	3	0	0
10:15	to	10:30	21	23	30	30	5	5	8	7	1	0	1	0		0	0	0	0	0	1	0	1	4	0	0
10:30	to	10:45	19	24	28	35	5	4	6	4	1	1	1	1		1	0	1	0	2	2	2	2	1	4	0
10:45	to	11:00	31	22	44	30	2	6	3	7	1	1	1	1		1	0	1	0	0	0	0	0	4	1	0
11:00	to	11:15	35	26	50	38	2	7	2	9	1	1	1	1		0	0	0	0	0	0	0	0	2	2	0
11:15	to	11:30	34	28	49	38	4	4	5	5	0	1	0	1		2	1	2	1	0	0	0	0	0	0	0
11:30	to	11:45	20	28	28	41	3	5	3	7	0	1	0	1		0	0	0	0	0	0	0	0	0	0	0
11:45	to	12:00	21	24	35	32	2	1	3	1	1	0	0	0		0	0	0	0	0	0	0	0	0	0	0
12:00	to	12:15	30	22	38	37	8	6	7	6	0	2	0	2		0	0	0	0	1	0	1	0	0	0	0
12:15	to	12:30	30	28	50	43	11	4	15	7	1	0	1	0		0	0	0	0	0	0	0	0	1	3	0
12:30	to	12:45	24	34	34	52	3	10	3	11	1	1	1	1		0	0	0	0	0	0	0	0	0	2	0
12:45	to	13:00	25	21	30	33	6	5	7	7	0	0	0	0		0	0	0	0	0	0	0	0	1	0	0
13:00	to	13:15	15	27	18	36	6	5	7	6	0	0	0	0		0	0	0	0	0	0	0	0	0	3	0
13:15	to	13:30	21	17	30	21	3	3	3	5	0	0	0	0		0	0	0	0	0	0	0	0	0	2	0
13:30	to	13:45	16	18	20	30	6	4	6	6	0	0	0	0		0	0	0	0	0	0	0	0	2	0	0
13:45	to	14:00	19	15	27	19	2	9	2	10	0	0	0	0		2	0	3	0	1	0	1	0	1	0	0
14:00	to	14:15	14	22	23	26	4	1	4	1	2	3	3	4		0	0	0	0	0	1	0	1	0	1	0
14:15	to	14:30	21	20	28	28	6	6	6	6	0	1	0	1		3	0	5	0	0	1	0	1	0	0	0
14:30	to	14:45	23	20	34	27	6	6	8	7	0	0	0	0		0	0	0	0	1	0	1	0	0	0	0
14:45	to	15:00	22	24	27	36	7	3	8	3	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
15:00	to	15:15	19	23	26	32	6	6	8	7	0	0	0	0		0	1	0	1	1	0	1	0	0	0	0
15:15	to	15:30	21	19	33	27	5	6	6	7	0	0	0	0		0	1	0	1	0	0	0	0	0	0	0
15:30	to	15:45	12	19	15	25	5	8	5	10	0	0	0	0		0	0	0	0	1	0	1	0	0	1	0
15:45	to	16:00	15	19	27	24	8	2	15	2	1	0	2	0		0	0	0	0	0	0	0	0	2	0	0
16:00	to	16:15	14	18	21	25	7	6	7	6	1	0	1	0		0	0	0	0	0	0	0	0	0	2	0
16:15	to	16:30	16	21	19	28	3	8	4	9	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
16:30	to	16:45	19	21	31	29	5	11	6	13	0	0	0	0		0	0	0	0	0	1	0	1	1	0	0
16:45	to	17:00	16	16	22	23	2	4	2	5	0	0	0	0		1	1	1	2	0	0	0	0	0	0	0
17:00	to	17:15	14	21	16	29	6	4	7	5	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
17:15	to	17:30	13	15	16	21	2	5	2	6	0	0	0	0		0	0	0	0	1	0	1	0	0	0	0
17:30	to	17:45	4	17	5	22	3	3	3	3	0	0	0	0		0	0	0	0	0	1	0	1	0	0	0
17:45	to	18:00	10	12	12	17	0	2	0	2	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
18:00	to	18:15	11	5	18	6	3	3	4	3	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
18:15	to	18:30	3	10	5	17	2	0	2	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
18:30	to	18:45	4	8	8	9	0	2	0	2	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
18:45	to	19:00	2	9	2	16	0	3	0	3	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
19:00	to	19:15	9	5	13	5	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
19:15	to	19:30	4	2	6	2	1	0	2	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
19:30	to	19:45	1	4	3	6	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
19:45	to	20:00	2	5	3	8	0	1	0	1	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
20:00	to	20:15	0	1	0	1	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
20:15	to	20:30	2	3	6	3	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
20:30	to	20:45	2	3	4	3	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
20:45	to	21:00	0	1	0	2	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
		Total	808	818	1133	1134	200	209	242	248	21	21	23	23		12	8	15	9	15	12	15	12	25	28	0
		Peak	35	34	50	52	11	12	15	17	2	3	3	4		3	1	5	2	2	2	2	2	4	4	0

^ Customer Vehicle Data

^ Service Vehicle and Pedestrian Data

Table 3-31 HW8 - Survey Results - hourly data (Thursday)

Hourly Data			Light Vehicle									Heavy Vehicle									All								
			Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)			
TIME			In	Out	Total	19	213	In	Out	Total	Accum.	In	Out	Total	0	0	In	Out	Total	Accum.	In	Out	Total	19	213	In	Out	Total	Accum.
7:00	to	8:00	20	11	31	28	13%	24	12	36	12	4	1	5	3	#DIV/0!	4	1	5	3	24	12	36	31	15%	28	13	41	15
7:15	to	8:15	33	14	47	41	19%	40	17	57	26	4	3	7	2	#DIV/0!	4	3	7	2	37	17	54	43	20%	44	20	64	28
7:30	to	8:30	38	24	62	35	16%	46	28	74	20	5	2	7	3	#DIV/0!	5	2	7	3	43	26	69	38	18%	51	30	81	23
7:45	to	8:45	48	30	78	44	21%	57	35	92	31	4	3	7	2	#DIV/0!	4	3	7	2	52	33	85	46	22%	61	38	99	33
8:00	to	9:00	64	34	98	58	27%	77	40	117	49	5	5	10	3	#DIV/0!	5	5	10	3	69	39	108	61	29%	82	45	127	52
8:15	to	9:15	68	50	118	59	28%	82	55	137	53	6	5	11	3	#DIV/0!	7	5	12	4	74	55	129	62	29%	89	60	149	57
8:30	to	9:30	83	54	137	64	30%	101	62	163	59	5	6	11	2	#DIV/0!	6	7	13	2	88	60	148	66	31%	107	71	178	59
8:45	to	9:45	97	61	158	80	38%	129	71	200	89	5	6	11	1	#DIV/0!	6	7	13	1	102	67	169	81	38%	138	84	222	87
9:00	to	10:00	98	77	175	79	37%	129	97	226	81	4	6	10	1	#DIV/0!	5	7	12	1	102	83	185	80	38%	137	111	248	78
9:15	to	10:15	103	79	182	83	39%	139	103	242	89	6	6	12	3	#DIV/0!	6	7	13	3	109	85	194	86	40%	151	117	268	91
9:30	to	10:30	106	89	195	81	38%	148	117	265	90	7	6	13	3	#DIV/0!	7	6	13	3	113	95	208	84	39%	165	128	293	96
9:45	to	10:45	99	101	200	78	37%	134	137	271	86	10	8	18	3	#DIV/0!	10	8	18	3	109	109	218	81	38%	152	150	302	89
10:00	to	11:00	110	105	215	84	39%	155	139	294	97	9	7	16	3	#DIV/0!	9	7	16	3	119	112	231	87	41%	176	151	327	103
10:15	to	11:15	122	117	239	88	41%	173	160	333	102	6	6	12	3	#DIV/0!	6	6	12	3	128	123	251	91	43%	190	173	363	108
10:30	to	11:30	136	122	258	95	45%	191	167	358	114	5	6	11	2	#DIV/0!	5	6	11	2	141	128	269	97	46%	203	180	383	119
10:45	to	11:45	134	127	261	85	40%	187	176	363	97	2	4	6	1	#DIV/0!	2	4	6	1	136	131	267	86	40%	195	183	378	101
11:00	to	12:00	123	124	247	83	39%	177	172	349	102	2	3	5	2	#DIV/0!	1	3	4	1	125	127	252	85	40%	180	177	357	106
11:15	to	12:15	124	119	243	93	44%	170	168	338	104	2	4	6	1	#DIV/0!	1	4	5	0	126	123	249	94	44%	171	172	343	107
11:30	to	12:30	125	118	243	102	48%	179	174	353	119	3	3	6	2	#DIV/0!	2	3	5	1	128	121	249	104	49%	182	180	362	121
11:45	to	12:45	129	129	258	85	40%	185	189	374	93	4	3	7	2	#DIV/0!	3	3	6	1	133	132	265	87	41%	189	197	386	93
12:00	to	13:00	137	130	267	90	42%	184	196	380	90	3	3	6	2	#DIV/0!	3	3	6	1	140	133	273	92	43%	189	204	393	91
12:15	to	13:15	120	134	254	79	37%	164	195	359	73	2	1	3	2	#DIV/0!	2	1	3	1	122	135	257	81	38%	168	204	372	71
12:30	to	13:30	103	122	225	83	39%	132	171	303	80	1	1	2	2	#DIV/0!	1	1	2	1	104	123	227	85	40%	134	179	313	76
12:45	to	13:45	98	100	198	83	39%	121	144	265	70	0	0	0	2	#DIV/0!	0	0	0	1	98	100	198	85	40%	124	149	273	68
13:00	to	14:00	90	98	188	82	38%	116	133	249	73	1	0	1	3	#DIV/0!	1	0	1	2	91	98	189	85	40%	120	138	258	73
13:15	to	14:15	87	89	176	77	36%	118	118	236	73	3	4	7	1	#DIV/0!	4	5	9	0	90	93	183	78	37%	125	126	251	70
13:30	to	14:30	93	95	188	81	38%	124	126	250	78	3	6	9	-1	#DIV/0!	4	7	11	-2	96	101	197	80	38%	131	134	265	73
13:45	to	14:45	100	99	199	84	39%	140	124	264	86	4	6	10	0	#DIV/0!	5	7	12	-1	104	105	209	84	39%	146	132	278	82
14:00	to	15:00	106	102	208	86	40%	143	134	277	82	3	6	9	0	#DIV/0!	4	7	11	-1	109	108	217	86	40%	147	142	289	78
14:15	to	15:15	113	109	222	81	38%	150	147	297	76	2	2	4	1	#DIV/0!	2	2	4	0	115	111	226	82	38%	152	149	301	73
14:30	to	15:30	109	109	218	81	38%	150	148	298	80	2	0	2	1	#DIV/0!	2	0	2	0	111	109	220	82	38%	152	148	300	77
14:45	to	15:45	97	110	207	71	33%	128	149	277	65	2	0	2	2	#DIV/0!	2	0	2	1	99	110	209	73	34%	130	150	280	62
15:00	to	16:00	91	104	195	73	34%	135	136	271	81	3	0	3	3	#DIV/0!	4	0	4	3	94	104	198	76	36%	141	137	278	82
15:15	to	16:15	87	98	185	70	33%	129	127	256	78	3	0	3	4	#DIV/0!	4	0	4	4	90	98	188	74	35%	135	130	265	78
15:30	to	16:30	80	101	181	60	28%	113	129	242	64	3	0	3	4	#DIV/0!	4	0	4	4	83	101	184	64	30%	119	132	251	64
15:45	to	16:45	87	106	193	52	24%	130	136	266	59	2	1	3	3	#DIV/0!	3	1	4	3	89	107	196	55	26%	136	139	275	59
16:00	to	17:00	83	106	189	50	23%	113	140	253	54	1	1	2	3	#DIV/0!	1	1	2	3	84	107	191	53	25%	115	143	258	54
16:15	to	17:15	82	107	189	45	21%	108	143	251	43	0	1	1	3	#DIV/0!	0	1	1	3	82	108	190	48	23%	109	144	253	43
16:30	to	17:30	78	98	176	40	19%	103	133	236	34	1	1	2	4	#DIV/0!	1	1	2	4	79	99	178	44	21%	105	134	239	35
16:45	to	17:45	61	86	147	27	13%	74	116	190	17	1	1	2	3	#DIV/0!	1	1	2	3	62	87	149	30	14%	75	117	192	17
17:00	to	18:00	52	79	131	23	11%	61	105	166	10	1	1	2	3	#DIV/0!	1	1	2	3	53	80	133	26	12%	62	106	168	10
17:15	to	18:15	46	62	108	29	14%	60	80	140	23	1	1	2	3	#DIV/0!	1	1	2	3	47	63	110	32	15%	61	81	142	23
17:30	to	18:30	36	52	88	24	11%	49	70	119	13	0	1	1	3	#DIV/0!	0	1	1	3	36	53	89	27	13%	49	71	120	13
17:45	to	18:45	33	42	75	18	8%	49	56	105	10	0	0	0	3	#DIV/0!	0	0	0	3	33	42	75	21	10%	49	56	105	10
18:00	to	19:00	25	40	65	8	4%	39	56	95	-7	0	0	0	3	#DIV/0!	0	0	0	3	25	40	65	11	5%	39	56	95	-7
18:15	to	19:15	20	37	57	12	6%	30	52	82	1	0	0	0	3	#DIV/0!	0	0	0	3	20	37	57	15	7%	30	52	82	1
18:30	to	19:30	20	29	49	15	7%	31	37	68	7	0	0	0	3	#DIV/0!	0	0	0	3	20	29	49	18	8%	31	37	68	7
18:45	to	19:45	17	23	40	12	6%	26	32	58	4	0	0	0	3	#DIV/0!	0	0	0	3	17	23	40	15	7%	26	32	58	4
19:00	to	20:00	17	17	34	8	4%	27	22	49	-2	0	0	0	3	#DIV/0!	0	0	0	3	17	17	34	11	5%	27	22	49	-2
19:15	to	20:15	8	13	21	7	3%	14	18	32	-3	0	0	0	3	#DIV/0!	0	0	0	3	8	13	21	10	5%	14	18	32	-3
19:30	to	20:30	5	14	19	6	3%	12	19	31	0	0	0	0	3	#DIV/0!	0	0	0	3	5	14	19	9	4%	12	19	31	0
19:45	to	20:45	6	13	19	5	2%	13	16	29	1	0	0	0	3	#DIV/0!	0	0	0	3	6	13	19	8	4%	13	16	29	1
20:00	to	21:00	4	8	12	4	2%	10	9	19	-1	0	0	0	3	#DIV/0!	0	0	0	3	4	8	12	7	3%	10	9	19	-1
		Peak	137	134	267	102	48%	191	196	380	119	10	8	18	4	#DIV/0!	10	8	18	4	141	135	273	104	49%	203	204	393	121

* AM network peak and PM network peak are highlighted.

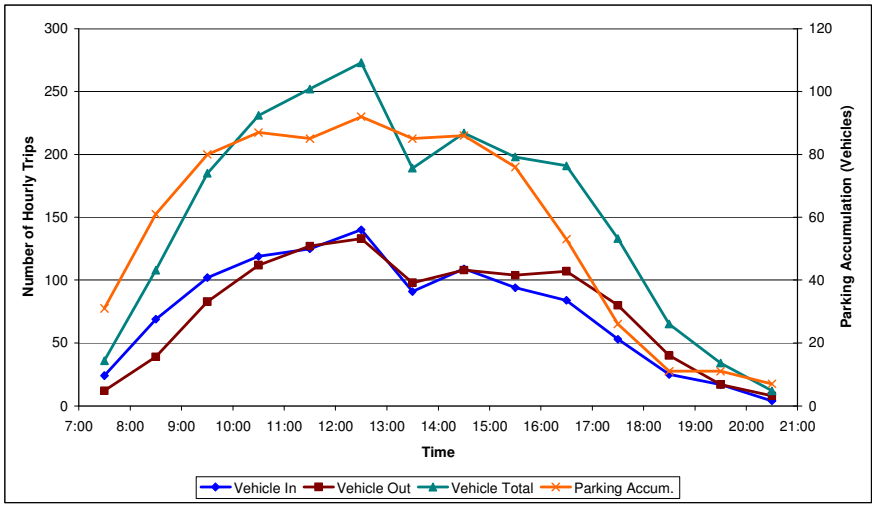

Figure 3-29 HW8 – Survey Results (Thursday) – Vehicle Trips

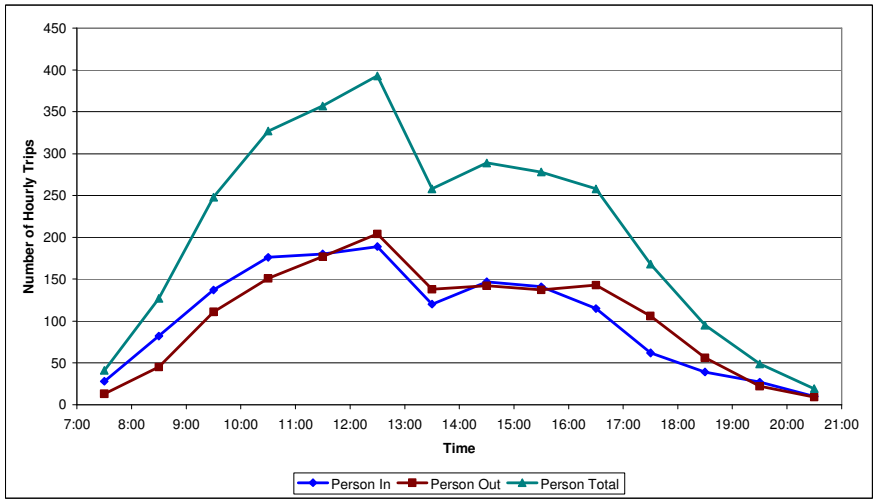

Figure 3-30 HW8 – Survey Results (Thursday) – Person Trips

Table 3-32 HW8 - Survey Results - 15 mins data (Saturday)

HW8			Time:8:00 to18:00																							
Date: 28 March 2009			VEHICLES PARKED ON SITE						START		19	END		41	VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS		VISITOR CARS	
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		visitors walk in and out)		OUTSIDE	
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
8:00	to	8:15	10	4	16	4	4	2	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8:15	to	8:30	4	5	7	7	4	2	6	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
8:30	to	8:45	19	9	29	12	3	2	4	2	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	
8:45	to	9:00	18	11	24	16	9	1	11	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9:00	to	9:15	17	13	28	21	3	4	4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9:15	to	9:30	23	16	35	24	4	5	5	6	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	
9:30	to	9:45	32	20	57	37	6	3	9	4	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	
9:45	to	10:00	28	14	47	23	8	4	10	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10:00	to	10:15	36	25	62	42	9	8	14	10	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	
10:15	to	10:30	51	41	95	74	13	8	16	12	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
10:30	to	10:45	40	42	64	67	16	13	24	19	1	1	1	1	0	1	0	1	0	0	0	0	0	0	0	
10:45	to	11:00	42	35	71	60	11	2	16	6	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	
11:00	to	11:15	46	40	77	62	11	5	14	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11:15	to	11:30	40	41	73	66	5	15	5	25	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
11:30	to	11:45	52	48	93	82	8	6	13	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11:45	to	12:00	48	46	83	74	6	8	8	11	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	
12:00	to	12:15	41	41	68	72	15	14	21	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12:15	to	12:30	43	50	69	84	6	13	10	20	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	
12:30	to	12:45	44	41	76	67	11	5	18	10	1	0	1	0	0	0	0	0	0	1	0	1	0	0	0	
12:45	to	13:00	41	44	75	67	9	10	14	15	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
13:00	to	13:15	33	48	65	94	10	4	14	6	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	
13:15	to	13:30	22	43	43	82	9	10	17	15	0	0	0	0	0	0	0	0	0	1	0	3	0	0	0	
13:30	to	13:45	47	26	92	44	4	7	7	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13:45	to	14:00	39	36	68	71	8	12	11	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14:00	to	14:15	36	42	59	72	6	7	10	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14:15	to	14:30	31	26	59	43	4	11	7	18	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	
14:30	to	14:45	35	31	57	58	5	4	10	6	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	
14:45	to	15:00	38	40	65	69	7	1	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15:00	to	15:15	32	39	59	66	2	8	4	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15:15	to	15:30	27	37	46	67	8	2	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	
15:30	to	15:45	26	33	55	64	10	10	15	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15:45	to	16:00	24	19	45	33	6	6	9	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16:00	to	16:15	27	24	49	44	3	7	3	11	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	
16:15	to	16:30	13	22	25	37	3	6	4	7	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
16:30	to	16:45	14	31	18	54	3	4	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16:45	to	17:00	15	16	22	29	4	1	5	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	
17:00	to	17:15	9	22	18	34	3	5	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17:15	to	17:30	4	9	7	12	2	4	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17:30	to	17:45	6	10	9	12	0	6	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17:45	to	18:00	2	6	4	11	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Total	1155	1146	2014	1957	259	245	376	349	6	5	6	5	2	2	2	2	1	3	2	5	12	8	0	
		Peak	52	50	95	94	16	15	24	25	2	1	2	1	1	1	1	1	1	1	2	3	4	4	0	

^ Customer Vehicle Data ^ Service Vehicle and Pedestrian Data ^

Table 3-33 HW8 - Survey Results - hourly data (Saturday)

Hourly Data			Light Vehicle									Heavy Vehicle									All								
			Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)			
TIME			In	Out	Total	19	213	In	Out	Total	Accum.	In	Out	Total	0	0	In	Out	Total	Accum.	In	Out	Total	19	213	In	Out	Total	Accum.
8:00	to	9:00	71	36	107	54	25%	101	47	148	54	3	1	4	2	#DIV/0!	3	1	4	2	74	37	111	56	26%	104	48	152	56
8:15	to	9:15	77	47	124	57	27%	113	67	180	60	3	1	4	2	#DIV/0!	3	1	4	2	80	48	128	59	28%	116	68	184	62
8:30	to	9:30	96	61	157	63	30%	140	88	228	70	2	2	4	1	#DIV/0!	2	2	4	1	98	63	161	64	30%	142	90	232	71
8:45	to	9:45	112	73	185	78	37%	173	115	288	95	0	2	2	0	#DIV/0!	0	2	2	0	112	75	187	78	37%	173	117	290	95
9:00	to	10:00	121	79	200	96	45%	195	124	319	125	0	2	2	0	#DIV/0!	0	2	2	0	121	81	202	96	45%	195	126	321	125
9:15	to	10:15	147	95	242	109	51%	240	150	390	150	1	2	3	1	#DIV/0!	1	2	3	1	148	97	245	110	52%	241	152	393	151
9:30	to	10:30	184	123	307	124	58%	311	206	517	175	1	1	2	1	#DIV/0!	1	1	2	1	185	124	309	125	59%	313	208	521	176
9:45	to	10:45	202	156	358	124	58%	333	252	585	176	2	1	3	1	#DIV/0!	2	1	3	1	204	157	361	125	59%	336	254	590	177
10:00	to	11:00	219	175	394	140	66%	363	291	654	197	2	2	4	0	#DIV/0!	2	2	4	0	221	177	398	140	66%	366	294	660	197
10:15	to	11:15	230	187	417	152	71%	377	312	689	215	1	2	3	0	#DIV/0!	1	2	3	0	231	189	420	152	71%	379	315	694	215
10:30	to	11:30	211	194	405	141	66%	344	317	661	202	1	2	3	0	#DIV/0!	1	2	3	0	212	196	408	141	66%	346	320	666	202
10:45	to	11:45	215	192	407	147	69%	362	321	683	217	0	1	1	0	#DIV/0!	0	1	1	0	215	193	408	147	69%	363	323	686	217
11:00	to	12:00	216	209	425	147	69%	366	340	706	223	0	1	1	-1	#DIV/0!	0	1	1	-1	216	210	426	146	69%	367	342	709	222
11:15	to	12:15	215	219	434	148	69%	364	359	723	220	0	1	1	-1	#DIV/0!	0	1	1	-1	215	220	435	147	69%	365	361	726	219
11:30	to	12:30	220	226	446	135	63%	366	372	738	196	0	1	1	-1	#DIV/0!	0	1	1	-1	220	227	447	134	63%	366	373	739	195
11:45	to	12:45	215	218	433	144	68%	354	358	712	213	1	2	3	-1	#DIV/0!	1	2	3	-1	216	220	436	143	67%	355	360	715	212
12:00	to	13:00	211	218	429	140	66%	352	355	707	220	1	1	2	-1	#DIV/0!	1	1	2	-1	212	219	431	139	65%	354	356	710	220
12:15	to	13:15	198	215	413	131	62%	342	363	705	199	2	1	3	0	#DIV/0!	3	1	4	1	200	216	416	131	62%	346	364	710	201
12:30	to	13:30	179	205	384	109	51%	322	356	678	162	2	2	4	-1	#DIV/0!	3	4	7	-2	181	207	388	108	51%	326	360	686	161
12:45	to	13:45	175	192	367	127	60%	327	332	659	208	1	1	2	-1	#DIV/0!	2	3	5	-2	176	193	369	126	59%	330	335	665	207
13:00	to	14:00	172	186	358	126	59%	317	339	656	198	1	1	2	-1	#DIV/0!	2	3	5	-2	173	187	360	125	59%	319	342	661	197
13:15	to	14:15	171	183	354	119	56%	307	320	627	186	0	1	1	-1	#DIV/0!	0	3	3	-2	171	184	355	118	55%	307	323	630	185
13:30	to	14:30	175	168	343	116	54%	313	285	598	190	0	0	0	-1	#DIV/0!	0	0	0	-2	175	168	343	115	54%	313	285	598	189
13:45	to	14:45	164	170	334	121	57%	281	296	577	193	0	0	0	-1	#DIV/0!	0	0	0	-2	164	170	334	120	56%	283	296	579	194
14:00	to	15:00	162	163	325	125	59%	278	277	555	199	0	0	0	-1	#DIV/0!	0	0	0	-2	162	163	325	124	58%	280	277	557	200
14:15	to	15:15	154	161	315	112	53%	272	273	545	185	0	0	0	-1	#DIV/0!	0	0	0	-2	154	161	315	111	52%	274	273	547	186
14:30	to	15:30	154	162	316	108	51%	261	281	542	170	0	0	0	-1	#DIV/0!	0	0	0	-2	154	162	316	107	50%	263	283	546	169
14:45	to	15:45	150	170	320	101	47%	264	293	557	164	0	0	0	-1	#DIV/0!	0	0	0	-2	150	170	320	100	47%	264	295	559	163
15:00	to	16:00	135	154	289	106	50%	242	264	506	177	0	0	0	-1	#DIV/0!	0	0	0	-2	135	154	289	105	49%	242	266	508	176
15:15	to	16:15	131	138	269	105	49%	231	242	473	174	0	0	0	-1	#DIV/0!	0	0	0	-2	131	138	269	104	49%	235	248	483	173
15:30	to	16:30	112	127	239	93	44%	205	216	421	159	0	0	0	-1	#DIV/0!	0	0	0	-2	112	127	239	92	43%	210	220	430	159
15:45	to	16:45	93	119	212	75	35%	156	198	354	122	0	0	0	-1	#DIV/0!	0	0	0	-2	93	119	212	74	35%	161	202	363	122
16:00	to	17:00	82	111	193	77	36%	129	187	316	119	0	0	0	-1	#DIV/0!	0	0	0	-2	82	111	193	76	36%	136	191	327	121
16:15	to	17:15	64	107	171	62	29%	102	171	273	105	0	0	0	-1	#DIV/0!	0	0	0	-2	64	107	171	61	29%	105	171	276	107
16:30	to	17:30	54	92	146	55	26%	83	143	226	99	0	0	0	-1	#DIV/0!	0	0	0	-2	54	92	146	54	25%	85	143	228	101
16:45	to	17:45	43	73	116	45	21%	71	103	174	90	0	0	0	-1	#DIV/0!	0	0	0	-2	43	73	116	44	21%	73	103	176	92
17:00	to	18:00	27	62	89	42	20%	49	84	133	84	0	0	0	-1	#DIV/0!	0	0	0	-2	27	62	89	41	19%	49	84	133	86
		Peak	230	226	446	152	71%	377	372	738	223	3	2	4	2	#DIV/0!	3	4	7	2	231	227	447	152	71%	379	373	739	222

* Network peak is highlighted.

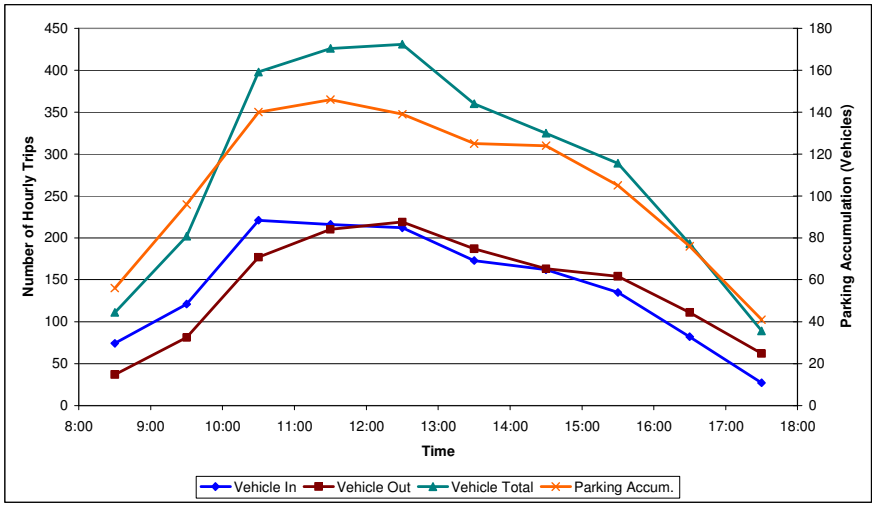

Figure 3-31 HW8 – Survey Results (Saturday) – Vehicle Trips

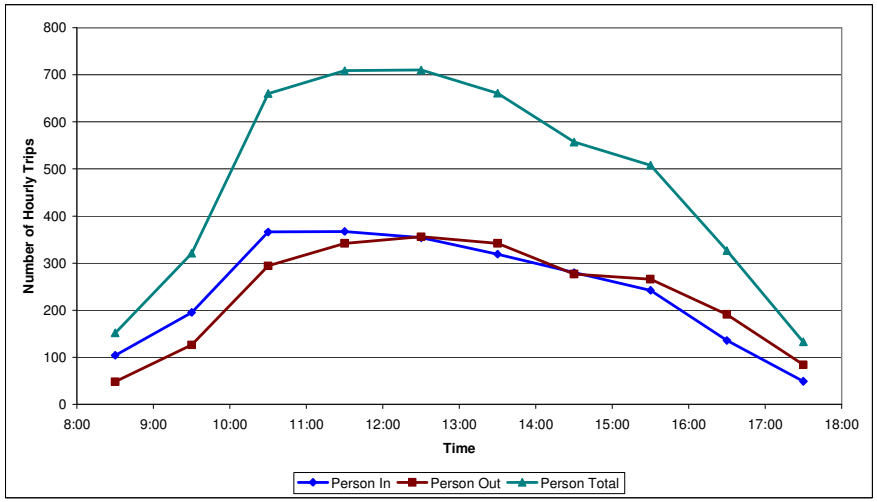

Figure 3-32 HW8 – Survey Results (Saturday) – Person Trips

3.1.9 HW9 – Mitre10 at Orange

Table 3-34 HW9 - Survey Results - 15 mins data (Thursday)

HW9			Time:7:00 to 17:30																									
Date: 19 March 2009			VEHICLES PARKED ON SITE						START		1	END		5			VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS		
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS				VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		visitors walk in and out)		VISITOR CARS OUTSIDE
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
7:00	to	7:15	1	0	1	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
7:15	to	7:30	1	0	1	0	0	0	0	0	1	0	1	0			0	0	0	0	0	0	0	0	0	0	0
7:30	to	7:45	0	0	0	0	3	1	4	2	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
7:45	to	8:00	0	0	0	0	3	4	3	4	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
8:00	to	8:15	3	1	3	1	3	2	3	2	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
8:15	to	8:30	1	2	1	2	4	3	4	3	1	0	1	0			0	0	0	0	0	0	0	0	0	0	0
8:30	to	8:45	5	1	7	1	5	4	6	5	0	2	0	2			0	0	0	0	0	0	0	0	0	0	0
8:45	to	9:00	5	3	8	4	4	4	4	4	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
9:00	to	9:15	5	4	6	5	2	3	2	3	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
9:15	to	9:30	0	3	0	4	5	5	5	5	0	1	0	1			0	0	0	0	0	0	0	0	0	0	0
9:30	to	9:45	3	2	3	2	3	2	4	3	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
9:45	to	10:00	1	1	1	1	1	1	1	1	1	0	1	0			0	0	0	0	0	0	0	0	0	0	0
10:00	to	10:15	4	2	4	3	2	3	2	3	3	2	3	2			0	0	0	0	0	0	0	0	0	0	0
10:15	to	10:30	6	8	7	9	7	2	8	2	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
10:30	to	10:45	2	3	2	3	4	6	4	7	1	0	1	0			0	0	0	0	0	0	0	0	0	0	0
10:45	to	11:00	2	1	3	1	4	5	5	5	2	1	2	1			0	0	0	0	0	0	0	0	0	0	0
11:00	to	11:15	1	0	1	0	5	7	5	8	1	1	1	1			0	0	0	0	0	0	0	0	1	0	0
11:15	to	11:30	1	3	1	4	9	4	10	4	1	0	1	0			0	0	0	0	0	0	0	0	0	1	0
11:30	to	11:45	2	1	2	1	6	11	8	13	2	1	2	1			0	0	0	0	0	0	0	0	0	0	0
11:45	to	12:00	5	3	5	3	4	5	4	5	1	1	0	3			0	0	0	0	0	0	0	0	0	0	0
12:00	to	12:15	3	8	4	9	7	4	10	4	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
12:15	to	12:30	2	3	3	4	1	4	1	5	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
12:30	to	12:45	6	3	8	3	8	7	8	8	1	0	1	0			0	0	0	0	0	0	0	0	0	0	0
12:45	to	13:00	9	8	12	10	1	2	1	2	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
13:00	to	13:15	6	6	8	9	5	3	6	3	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
13:15	to	13:30	4	1	5	1	5	8	5	10	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
13:30	to	13:45	3	5	4	7	4	5	4	6	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
13:45	to	14:00	1	3	1	3	2	3	3	3	0	2	0	2			0	0	0	0	0	0	0	0	0	0	0
14:00	to	14:15	6	2	6	2	7	6	9	8	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
14:15	to	14:30	1	2	1	3	3	3	3	3	1	0	1	0			0	0	0	0	0	0	0	0	0	0	0
14:30	to	14:45	1	3	2	3	5	6	5	7	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
14:45	to	15:00	2	4	2	5	8	4	8	4	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
15:00	to	15:15	2	4	2	5	8	4	8	4	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
15:15	to	15:30	3	1	3	1	3	10	4	11	0	1	0	1			0	0	0	0	0	0	0	0	0	0	0
15:30	to	15:45	2	4	2	4	4	5	4	5	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
15:45	to	16:00	1	2	1	2	5	1	5	1	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
16:00	to	16:15	1	2	1	2	4	5	4	5	1	0	1	0			0	0	0	0	0	0	0	0	0	0	0
16:15	to	16:30	2	4	3	5	6	6	6	6	1	1	1	2			0	0	0	0	0	0	0	0	0	0	0
16:30	to	16:45	3	2	3	2	6	7	7	8	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
16:45	to	17:00	1	1	1	1	3	2	4	2	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
17:00	to	17:15	2	0	2	0	1	5	3	7	1	0	1	0			0	0	0	0	0	0	0	0	0	0	0
17:15	to	17:30	3	6	4	9	5	4	9	8	0	1	0	1			0	0	0	0	0	0	0	0	0	0	0
		Total	112	112	134	134	175	176	199	199	19	14	18	17			0	0	0	0	0	0	0	0	1	1	0
		Peak	9	8	12	10	9	11	10	13	3	2	3	3			0	0	0	0	0	0	0	0	1	1	0

^ Customer Vehicle Data

^ Service Vehicle and Pedestrian Data

Table 3-35 HW9 - Survey Results - hourly data (Thursday)

Hourly Data			Light Vehicle											Heavy Vehicle										All									
			Vehicle			Parking Accum.	Parking %	Person (Occupants)						Vehicle			Parking Accum.	Parking %	Person (Occupants)					Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)						
TIME			In	Out	Total	1	40	In	Out	Total	Accum.	In	Out	Total	0	2	In	Out	Total	Accum.	In	Out	Total	1	42	In	Out	Total	Accum.				
7:00	to	8:00	8	5	13	4	10%	9	6	15	3	1	0	1	1	50%	1	0	1	1	9	5	14	5	12%	10	6	16	4				
7:15	to	8:15	13	8	21	7	18%	14	9	23	6	1	0	1	1	50%	1	0	1	1	14	8	22	8	19%	15	9	24	7				
7:30	to	8:30	17	13	30	7	18%	18	14	32	6	1	0	1	2	100%	1	0	1	2	18	13	31	9	21%	19	14	33	8				
7:45	to	8:45	24	17	41	12	30%	27	18	45	13	1	2	3	0	0%	1	2	3	0	25	19	44	12	29%	28	20	48	13				
8:00	to	9:00	30	20	50	14	35%	36	22	58	17	1	2	3	0	0%	1	2	3	0	31	22	53	14	33%	37	24	61	17				
8:15	to	9:15	31	24	55	14	35%	38	27	65	17	1	2	3	0	0%	1	2	3	0	32	26	58	14	33%	39	29	68	17				
8:30	to	9:30	31	27	58	11	28%	38	31	69	13	0	3	3	-1	-50%	0	3	3	-1	31	30	61	10	24%	38	34	72	12				
8:45	to	9:45	27	26	53	13	33%	32	30	62	15	0	1	1	-1	-50%	0	1	1	-1	27	27	54	12	29%	32	31	63	14				
9:00	to	10:00	20	21	41	13	33%	22	24	46	15	1	1	2	0	0%	1	1	2	0	21	22	43	13	31%	23	25	48	15				
9:15	to	10:15	19	19	38	14	35%	20	22	42	15	4	3	7	1	50%	4	3	7	1	23	22	45	15	36%	24	25	49	16				
9:30	to	10:30	27	21	48	17	43%	30	24	54	19	4	2	6	1	50%	4	2	6	1	31	23	54	18	43%	34	26	60	20				
9:45	to	10:45	27	26	53	14	35%	29	29	58	15	5	2	7	2	100%	5	2	7	2	32	28	60	16	38%	34	31	65	17				
10:00	to	11:00	31	30	61	14	35%	35	33	68	17	6	3	9	3	150%	6	3	9	3	37	33	70	17	40%	41	36	77	20				
10:15	to	11:15	31	32	63	13	33%	35	35	70	15	4	2	6	3	150%	4	2	6	3	35	34	69	16	38%	40	37	77	19				
10:30	to	11:30	28	29	57	16	40%	31	32	63	18	5	2	7	4	200%	5	2	7	4	33	31	64	20	48%	37	35	72	22				
10:45	to	11:45	30	32	62	12	30%	35	36	71	14	6	3	9	5	250%	6	3	9	5	36	35	71	17	40%	42	40	82	19				
11:00	to	12:00	33	34	67	13	33%	36	38	74	15	5	3	8	5	250%	4	5	9	2	38	37	75	18	43%	41	44	85	17				
11:15	to	12:15	37	39	76	11	28%	44	43	87	16	4	2	6	5	250%	3	4	7	2	41	41	82	16	38%	47	48	95	18				
11:30	to	12:30	30	39	69	7	18%	37	44	81	11	3	2	5	5	250%	2	4	6	2	33	41	74	12	29%	39	48	87	13				
11:45	to	12:45	36	37	73	11	28%	43	41	84	16	2	1	3	6	300%	1	3	4	3	38	38	76	17	40%	44	44	88	19				
12:00	to	13:00	37	39	76	11	28%	47	45	92	17	1	0	1	6	300%	1	0	1	3	38	39	77	17	40%	48	45	93	20				
12:15	to	13:15	38	36	74	13	33%	47	44	91	19	1	0	1	6	300%	1	0	1	3	39	36	75	19	45%	48	44	92	22				
12:30	to	13:30	44	38	82	13	33%	53	46	99	18	1	0	1	6	300%	1	0	1	3	45	38	83	19	45%	54	46	100	21				
12:45	to	13:45	37	38	75	10	25%	45	48	93	13	0	0	0	6	300%	0	0	0	3	37	38	75	16	38%	45	48	93	16				
13:00	to	14:00	30	34	64	7	18%	36	42	78	11	0	2	2	4	200%	0	2	2	1	30	36	66	11	26%	36	44	80	12				
13:15	to	14:15	32	33	65	12	30%	37	40	77	16	0	2	2	4	200%	0	2	2	1	32	35	67	16	38%	37	42	79	17				
13:30	to	14:30	27	29	56	11	28%	31	35	66	14	1	2	3	5	250%	1	2	3	2	28	31	59	16	38%	32	37	69	16				
13:45	to	14:45	26	28	54	8	20%	30	32	62	11	1	2	3	5	250%	1	2	3	2	27	30	57	13	31%	31	34	65	13				
14:00	to	15:00	33	30	63	10	25%	36	35	71	12	1	0	1	5	250%	1	0	1	2	34	30	64	15	36%	37	35	72	14				
14:15	to	15:15	30	30	60	12	30%	31	34	65	13	1	0	1	5	250%	1	0	1	2	31	30	61	17	40%	32	34	66	15				
14:30	to	15:30	32	36	68	7	18%	34	40	74	8	0	1	1	4	200%	0	1	1	1	32	37	69	11	26%	34	41	75	9				
14:45	to	15:45	32	36	68	4	10%	33	39	72	5	0	1	1	4	200%	0	1	1	1	32	37	69	8	19%	33	40	73	6				
15:00	to	16:00	28	31	59	7	18%	29	33	62	8	0	1	1	4	200%	0	1	1	1	28	32	60	11	26%	29	34	63	9				
15:15	to	16:15	23	30	53	5	13%	24	31	55	6	1	1	2	5	250%	1	1	2	2	24	31	55	10	24%	25	32	57	8				
15:30	to	16:30	25	29	54	3	8%	26	30	56	4	2	1	3	5	250%	2	2	4	1	27	30	57	8	19%	28	32	60	5				
15:45	to	16:45	28	29	57	3	8%	30	31	61	4	2	1	3	5	250%	2	2	4	1	30	30	60	8	19%	32	33	65	5				
16:00	to	17:00	26	29	55	4	10%	29	31	60	6	2	1	3	5	250%	2	2	4	1	28	30	58	9	21%	31	33	64	7				
16:15	to	17:15	24	27	51	2	5%	29	31	60	4	2	1	3	6	300%	2	2	4	2	26	28	54	8	19%	31	33	64	6				
16:30	to	17:30	24	27	51	0	0%	33	37	70	0	1	1	2	5	250%	1	1	2	1	25	28	53	5	12%	34	38	72	1				
		Peak	44	39	82	17	43%	53	48	99	19	6	3	9	6	3	6	5	9	5	45	41	83	20	48%	54	48	100	22				

* AM network peak and PM network peak are highlighted.

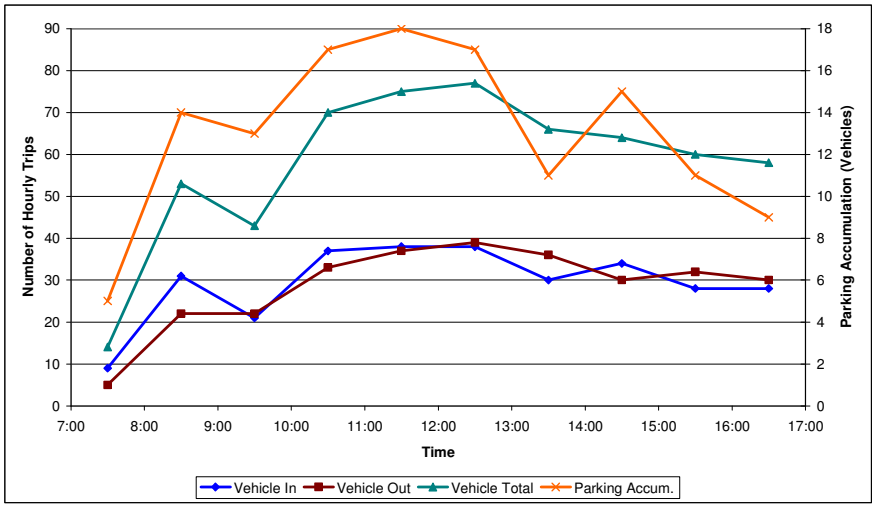

Figure 3-33 HW9 – Survey Results (Thursday) – Vehicle Trips

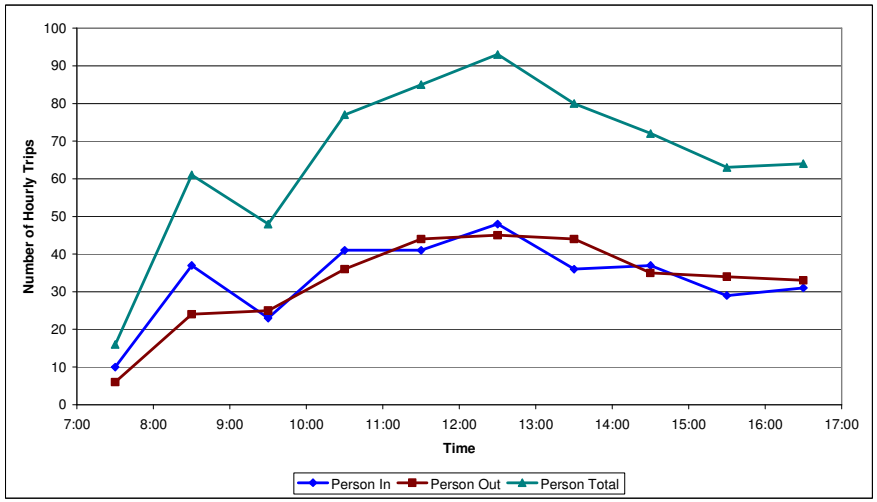

Figure 3-34 HW9 – Survey Results (Thursday) – Person Trips

Table 3-36 HW9 - Survey Results - 15 mins data (Saturday)

HW9			Time: 8:00 to 16:00																							
Date: 21 March 2009			VEHICLES PARKED ON SITE						START		1	END		18			VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS		VISITOR CARS OUTSIDE
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS				VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		visitors walk in and out)		
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
8:00	to	8:15	6	2	7	2	1	2	1	2	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
8:15	to	8:30	0	1	0	1	2	1	2	1	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
8:30	to	8:45	3	0	4	0	4	2	4	2	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
8:45	to	9:00	1	3	1	4	6	2	6	2	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
9:00	to	9:15	3	2	3	2	2	5	2	5	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
9:15	to	9:30	2	1	2	1	2	3	2	3	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
9:30	to	9:45	3	2	3	2	7	4	9	5	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
9:45	to	10:00	0	3	0	3	9	6	11	8	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
10:00	to	10:15	3	1	6	3	6	8	7	10	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
10:15	to	10:30	6	2	9	3	3	5	3	6	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
10:30	to	10:45	3	5	4	7	10	4	12	4	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
10:45	to	11:00	4	3	6	4	4	8	5	10	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
11:00	to	11:15	8	1	11	1	6	6	9	6	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
11:15	to	11:30	9	7	11	10	3	5	3	7	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
11:30	to	11:45	7	8	8	10	5	5	5	7	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
11:45	to	12:00	8	9	9	10	4	5	6	7	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
12:00	to	12:15	8	6	12	8	6	6	6	8	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
12:15	to	12:30	7	8	7	10	6	3	8	3	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
12:30	to	12:45	7	8	10	12	7	5	11	8	0	0	0	0			0	0	0	0	0	0	0	0	1	1	0
12:45	to	13:00	7	6	7	7	11	10	13	15	0	0	0	0			0	0	0	0	0	0	0	0	0	0	1
13:00	to	13:15	3	6	5	8	4	7	6	11	0	1	0	1			0	0	0	0	0	0	0	0	0	0	0
13:15	to	13:30	3	3	3	3	8	9	8	10	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
13:30	to	13:45	2	3	4	4	7	6	8	6	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
13:45	to	14:00	7	3	10	5	2	5	2	6	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
14:00	to	14:15	2	6	3	9	4	4	6	5	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
14:15	to	14:30	3	2	4	2	6	5	6	7	1	0	1	0			0	0	0	0	0	0	0	0	0	0	0
14:30	to	14:45	7	4	7	5	4	3	6	4	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
14:45	to	15:00	1	3	2	3	5	4	8	6	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
15:00	to	15:15	3	4	4	6	4	6	4	9	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
15:15	to	15:30	2	2	3	2	4	7	6	7	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
15:30	to	15:45	1	4	1	6	3	3	3	4	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
15:45	to	16:00	3	1	5	1	7	4	8	4	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
		Total	132	119	171	154	162	158	196	198	1	1	1	1			0	0	0	0	0	0	0	0	1	1	1
		Peak	9	9	12	12	11	10	13	15	1	1	1	1			0	0	0	0	0	0	0	0	1	1	1

^ Customer Vehicle Data ^

^ Service Vehicle and Pedestrian Data ^

Table 3-37 HW9 - Survey Results - hourly data (Saturday)

Hourly Data			Light Vehicle									Heavy Vehicle									All								
			Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)			
TIME			In	Out	Total	1	40	In	Out	Total	Accum.	In	Out	Total	0	2	In	Out	Total	Accum.	In	Out	Total	1	42	In	Out	Total	Accum.
8:00	to	9:00	23	13	36	11	28%	25	14	39	11	0	0	0	0	0%	0	0	0	0	23	13	36	11	26%	25	14	39	11
8:15	to	9:15	21	16	37	9	23%	22	17	39	9	0	0	0	0	0%	0	0	0	0	21	16	37	9	21%	22	17	39	9
8:30	to	9:30	23	18	41	9	23%	24	19	43	9	0	0	0	0	0%	0	0	0	0	23	18	41	9	21%	24	19	43	9
8:45	to	9:45	26	22	48	13	33%	28	24	52	14	0	0	0	0	0%	0	0	0	0	26	22	48	13	31%	28	24	52	14
9:00	to	10:00	28	26	54	13	33%	32	29	61	14	0	0	0	0	0%	0	0	0	0	28	26	54	13	31%	32	29	61	14
9:15	to	10:15	32	28	60	13	33%	40	35	75	14	0	0	0	0	0%	0	0	0	0	32	28	60	13	31%	40	35	75	14
9:30	to	10:30	37	31	68	15	38%	48	40	88	17	0	0	0	0	0%	0	0	0	0	37	31	68	15	36%	48	40	88	17
9:45	to	10:45	40	34	74	19	48%	52	44	96	22	0	0	0	0	0%	0	0	0	0	40	34	74	19	45%	52	44	96	22
10:00	to	11:00	39	36	75	16	40%	52	47	99	19	0	0	0	0	0%	0	0	0	0	39	36	75	16	38%	52	47	99	19
10:15	to	11:15	44	34	78	23	58%	59	41	100	32	0	0	0	0	0%	0	0	0	0	44	34	78	23	55%	59	41	100	32
10:30	to	11:30	47	39	86	23	58%	61	49	110	29	0	0	0	0	0%	0	0	0	0	47	39	86	23	55%	61	49	110	29
10:45	to	11:45	46	43	89	22	55%	58	55	113	25	0	0	0	0	0%	0	0	0	0	46	43	89	22	52%	58	55	113	25
11:00	to	12:00	50	46	96	20	50%	62	58	120	23	0	0	0	0	0%	0	0	0	0	50	46	96	20	48%	62	58	120	23
11:15	to	12:15	50	51	101	22	55%	60	67	127	25	0	0	0	0	0%	0	0	0	0	50	51	101	22	52%	60	67	127	25
11:30	to	12:30	51	50	101	24	60%	61	63	124	27	0	0	0	0	0%	0	0	0	0	51	50	101	24	57%	61	63	124	27
11:45	to	12:45	53	50	103	25	63%	69	66	135	28	0	0	0	0	0%	0	0	0	0	53	50	103	25	60%	70	67	137	28
12:00	to	13:00	59	52	111	27	68%	74	71	145	26	0	0	0	0	0%	0	0	0	0	59	52	111	27	64%	75	72	147	26
12:15	to	13:15	52	53	105	21	53%	67	74	141	18	0	1	1	-1	-50%	0	1	1	-1	52	54	106	20	48%	68	76	144	17
12:30	to	13:30	50	54	104	20	50%	63	74	137	16	0	1	1	-1	-50%	0	1	1	-1	50	55	105	19	45%	64	76	140	15
12:45	to	13:45	45	50	95	20	50%	54	64	118	18	0	1	1	-1	-50%	0	1	1	-1	45	51	96	19	45%	54	65	119	17
13:00	to	14:00	36	42	78	21	53%	46	53	99	19	0	1	1	-1	-50%	0	1	1	-1	36	43	79	20	48%	46	54	100	18
13:15	to	14:15	35	39	74	17	43%	44	48	92	14	0	0	0	-1	-50%	0	0	0	-1	35	39	74	16	38%	44	48	92	13
13:30	to	14:30	33	34	67	19	48%	43	44	87	15	1	0	1	0	0%	1	0	1	0	34	34	68	19	45%	44	44	88	15
13:45	to	14:45	35	32	67	23	58%	44	43	87	19	1	0	1	0	0%	1	0	1	0	36	32	68	23	55%	45	43	88	19
14:00	to	15:00	32	31	63	22	55%	42	41	83	20	1	0	1	0	0%	1	0	1	0	33	31	64	22	52%	43	41	84	20
14:15	to	15:15	33	31	64	19	48%	41	42	83	13	1	0	1	0	0%	1	0	1	0	34	31	65	19	45%	42	42	84	13
14:30	to	15:30	30	33	63	16	40%	40	42	82	13	0	0	0	0	0%	0	0	0	0	30	33	63	16	38%	40	42	82	13
14:45	to	15:45	23	33	56	13	33%	31	43	74	7	0	0	0	0	0%	0	0	0	0	23	33	56	13	31%	31	43	74	7
15:00	to	16:00	27	31	58	18	45%	34	39	73	15	0	0	0	0	0%	0	0	0	0	27	31	58	18	43%	34	39	73	15
Peak			59	54	111	27	68%	74	74	145	32	1	1	1	0	0	1	1	1	0	59	55	111	27	64%	75	76	147	32

* Network peak is highlighted.

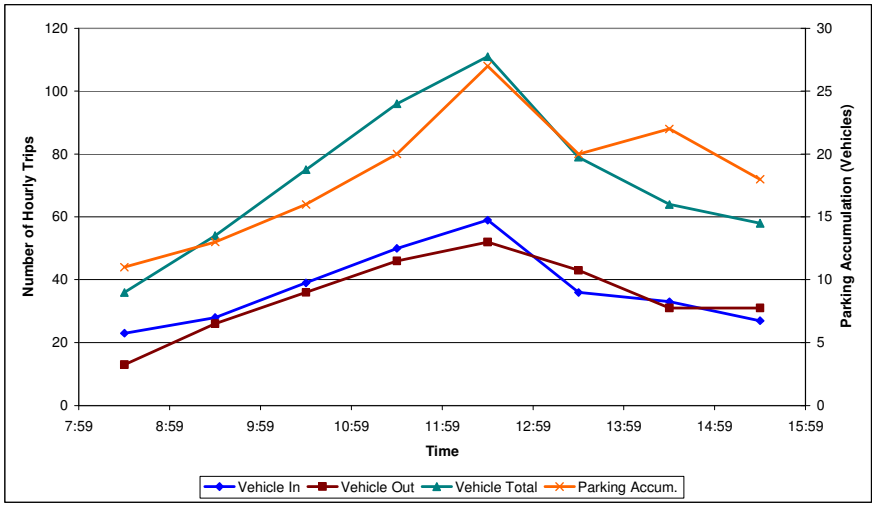

Figure 3-35 HW9 – Survey Results (Saturday) – Vehicle Trips

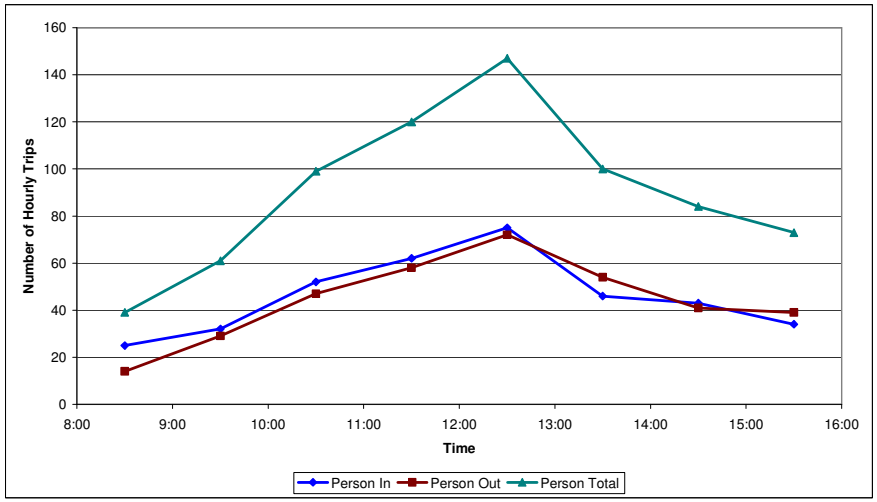

Figure 3-36 HW9 – Survey Results (Saturday) – Person Trips

3.1.10 BG1 – Freedom/Sleepcity at Balgowlah

Table 3-38 BG1 - Survey Results - 15 mins data (Thursday)

BG1			Time:9:00 to 21:00																					
DATE:19 March 2009			VEHICLES PARKED ON SITE						START		8	END		12	VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS		
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		visitors walk in and out)		VISITOR CARS OUTSIDE
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
9:00	to	9:15	3	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15	to	9:30	2	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30	to	9:45	6	3	8	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45	to	10:00	2	3	3	3	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
10:00	to	10:15	2	6	3	8	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15	to	10:30	7	1	8	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
10:30	to	10:45	2	4	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0
10:45	to	11:00	11	9	13	9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0
11:00	to	11:15	9	2	11	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15	to	11:30	5	1	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
11:30	to	11:45	6	9	8	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
11:45	to	12:00	4	7	4	9	0	1	0	1	0	1	0	1	0	0	0	0	1	1	1	1	2	0	0
12:00	to	12:15	3	5	3	6	3	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
12:15	to	12:30	2	5	3	5	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0
12:30	to	12:45	8	1	8	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0
12:45	to	13:00	3	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
13:00	to	13:15	5	5	6	5	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	6	3	1
13:15	to	13:30	4	6	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
13:30	to	13:45	5	6	8	8	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	5	1
13:45	to	14:00	2	5	2	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:00	to	14:15	4	4	4	4	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:15	to	14:30	5	4	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:30	to	14:45	5	7	5	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
14:45	to	15:00	5	4	5	4	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	0	0
15:00	to	15:15	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
15:15	to	15:30	5	3	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0
15:30	to	15:45	3	7	5	10	1	0	2	0	0	0	0	0	0	0	0	0	1	0	2	0	2	2	0
15:45	to	16:00	6	3	13	5	0	1	0	2	0	0	0	0	0	0	0	0	0	1	0	2	0	2	1
16:00	to	16:15	8	4	9	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0
16:15	to	16:30	11	8	17	11	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	3	0
16:30	to	16:45	7	11	7	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0
16:45	to	17:00	1	7	1	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
17:00	to	17:15	5	4	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
17:15	to	17:30	6	2	5	3	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
17:30	to	17:45	3	5	4	6	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	2	1
17:45	to	18:00	4	4	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0
18:00	to	18:15	6	5	9	6	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0
18:15	to	18:30	1	3	1	6	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0
18:30	to	18:45	2	6	3	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
18:45	to	19:00	5	3	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
19:00	to	19:15	5	5	7	6	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
19:15	to	19:30	3	4	6	7	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
19:30	to	19:45	4	3	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0
19:45	to	20:00	3	3	5	4	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	to	20:15	3	4	3	5	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1
20:15	to	20:30	3	7	3	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1
20:30	to	20:45	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:45	to	21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	206	204	260	262	13	11	18	16	0	1	0	1	2	1	2	1	4	4	5	5	62	51	6
		Peak	11	11	17	14	3	1	4	3	0	1	0	1	1	1	1	1	1	1	2	2	6	5	1

< Customer Vehicle Data

< Service Vehicle and Pedestrian Data

Table 3-39 BG1 - Survey Results - hourly data (Thursday)

BG1			Light Vehicle												Heavy Vehicle												All											
Hourly Data			Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)											
TIME			In	Out	Total	8	46	In	Out	Total	Accum.	In	Out	Total	0	4	In	Out	Total	Accum.	In	Out	Total	8	50	In	Out	Total	Accum.									
9:00	to	10:00	14	9	23	13	28%	18	9	27	9	0	0	0	0	0%	0	0	0	0	14	9	23	13	26%	18	10	28	8									
9:15	to	10:15	14	14	28	10	22%	19	16	35	5	0	0	0	0	0%	0	0	0	0	14	14	28	10	20%	19	17	36	4									
9:30	to	10:30	20	15	35	16	35%	25	18	43	11	0	0	0	0	0%	0	0	0	0	20	15	35	16	32%	28	19	47	13									
9:45	to	10:45	16	16	32	14	30%	19	19	38	9	0	0	0	0	0%	0	0	0	0	16	16	32	14	28%	23	24	47	8									
10:00	to	11:00	24	21	45	16	35%	28	24	52	13	1	1	2	0	0%	1	1	2	0	25	22	47	16	32%	34	29	63	13									
10:15	to	11:15	30	17	47	23	50%	35	19	54	21	1	1	2	0	0%	1	1	2	0	31	18	49	23	46%	41	24	65	21									
10:30	to	11:30	27	16	43	27	59%	32	17	49	26	1	1	2	0	0%	1	1	2	0	28	17	45	27	54%	36	23	59	26									
10:45	to	11:45	31	21	52	24	52%	38	24	62	23	1	1	2	0	0%	1	1	2	0	32	22	54	24	48%	41	27	68	22									
11:00	to	12:00	24	20	44	20	43%	29	25	54	17	1	2	3	-1	-25%	1	2	3	-1	25	22	47	19	38%	33	29	62	17									
11:15	to	12:15	21	23	44	21	46%	25	28	53	18	1	2	3	-1	-25%	1	2	3	-1	22	25	47	20	40%	29	33	62	17									
11:30	to	12:30	18	28	46	17	37%	22	34	56	14	1	2	3	-1	-25%	1	2	3	-1	19	30	49	16	32%	29	38	67	17									
11:45	to	12:45	20	21	41	23	50%	22	25	47	20	1	2	3	-1	-25%	1	2	3	-1	21	23	44	22	44%	32	30	62	24									
12:00	to	13:00	19	14	33	25	54%	21	16	37	22	0	0	0	-1	-25%	0	0	0	-1	19	14	33	24	48%	30	19	49	28									
12:15	to	13:15	19	14	33	26	57%	22	15	37	25	0	0	0	-1	-25%	0	0	0	-1	19	14	33	25	50%	37	20	57	34									
12:30	to	13:30	21	14	35	24	52%	23	14	37	23	0	0	0	-1	-25%	0	0	0	-1	21	14	35	23	46%	34	20	54	31									
12:45	to	13:45	18	18	36	23	50%	23	20	43	23	1	1	2	-1	-25%	1	1	2	-1	19	19	38	22	44%	33	30	63	27									
13:00	to	14:00	17	22	39	20	43%	22	27	49	17	1	1	2	-1	-25%	1	1	2	-1	18	23	41	19	38%	30	37	67	21									
13:15	to	14:15	16	22	38	20	43%	19	27	46	17	1	1	2	-1	-25%	1	1	2	-1	17	23	40	19	38%	21	34	55	21									
13:30	to	14:30	17	20	37	21	46%	21	25	46	19	1	1	2	-1	-25%	1	1	2	-1	18	21	39	20	40%	23	31	54	23									
13:45	to	14:45	17	21	38	19	41%	18	24	42	17	0	0	0	-1	-25%	0	0	0	-1	17	21	38	18	36%	19	26	45	20									
14:00	to	15:00	21	21	42	20	43%	22	21	43	18	0	0	0	-1	-25%	0	0	0	-1	21	21	42	19	38%	24	23	47	22									
14:15	to	15:15	18	18	36	20	43%	19	18	37	18	0	0	0	-1	-25%	0	0	0	-1	18	18	36	19	38%	22	21	43	22									
14:30	to	15:30	18	17	35	22	48%	20	17	37	22	0	0	0	-1	-25%	0	0	0	-1	18	17	35	21	42%	25	21	46	27									
14:45	to	15:45	17	17	34	19	41%	22	20	42	19	1	0	1	0	0%	2	0	2	1	18	17	35	19	38%	30	24	54	26									
15:00	to	16:00	17	16	33	21	46%	29	22	51	25	1	1	2	-1	-25%	2	2	4	-1	18	17	35	20	40%	36	30	66	28									
15:15	to	16:15	23	18	41	25	54%	36	27	63	27	1	1	2	-1	-25%	2	2	4	-1	24	19	43	24	48%	44	36	80	30									
15:30	to	16:30	30	23	53	29	63%	47	35	82	34	1	1	2	-1	-25%	2	2	4	-1	31	24	55	28	56%	54	46	100	35									
15:45	to	16:45	33	27	60	25	54%	47	39	86	27	0	1	1	-1	-25%	0	2	2	-1	33	28	61	24	48%	55	49	104	32									
16:00	to	17:00	28	30	58	19	41%	35	41	76	19	0	0	0	-1	-25%	0	0	0	-1	28	30	58	18	36%	45	47	92	26									
16:15	to	17:15	25	30	55	20	43%	31	39	70	19	0	0	0	-1	-25%	0	0	0	-1	25	30	55	19	38%	40	43	83	27									
16:30	to	17:30	20	24	44	25	54%	20	31	51	23	0	0	0	-1	-25%	0	0	0	-1	20	24	44	24	48%	29	34	63	30									
16:45	to	17:45	16	19	35	22	48%	17	26	43	18	0	0	0	-1	-25%	0	0	0	-1	16	19	35	21	42%	24	30	54	26									
17:00	to	18:00	19	16	35	22	48%	20	23	43	16	0	0	0	-1	-25%	0	0	0	-1	19	16	35	21	42%	27	30	57	23									
17:15	to	18:15	21	17	38	24	52%	25	24	49	20	0	0	0	-1	-25%	0	0	0	-1	21	17	38	23	46%	32	35	67	24									
17:30	to	18:30	15	19	34	21	46%	19	28	47	14	0	0	0	-1	-25%	0	0	0	-1	15	19	34	20	40%	27	38	65	19									
17:45	to	18:45	14	19	33	17	37%	18	31	49	5	0	0	0	-1	-25%	0	0	0	-1	14	19	33	16	32%	24	40	64	10									
18:00	to	19:00	15	18	33	19	41%	22	29	51	9	0	0	0	-1	-25%	0	0	0	-1	15	18	33	18	36%	27	36	63	14									
18:15	to	19:15	14	18	32	20	43%	21	29	50	12	0	0	0	-1	-25%	0	0	0	-1	14	18	32	19	38%	26	32	58	18									
18:30	to	19:30	16	19	35	18	39%	26	31	57	9	0	0	0	-1	-25%	0	0	0	-1	16	19	35	17	34%	30	35	65	14									
18:45	to	19:45	18	16	34	19	41%	30	23	53	12	0	0	0	-1	-25%	0	0	0	-1	18	16	34	18	36%	38	26	64	22									
19:00	to	20:00	17	16	33	20	43%	28	23	51	14	0	0	0	-1	-25%	0	0	0	-1	17	16	33	19	38%	35	25	60	24									
19:15	to	20:15	14	16	30	18	39%	22	23	45	11	0	0	0	-1	-25%	0	0	0	-1	14	16	30	17	34%	30	25	55	23									
19:30	to	20:30	14	18	32	14	30%	19	26	45	2	0	0	0	-1	-25%	0	0	0	-1	14	18	32	13	26%	26	28	54	12									
19:45	to	20:45	10	16	26	13	28%	12	23	35	1	0	0	0	-1	-25%	0	0	0	-1	10	16	26	12	24%	14	25	39	11									
20:00	to	21:00	6	13	19	13	28%	6	19	25	1	0	0	0	-1	-25%	0	0	0	-1	6	13	19	12	24%	8	21	29	11									
		Peak	33	30	60	29	63%	47	41	86	34	1	2	3	0	0	2	2	4	1	33	30	61	28	56%	55	49	104	35									

* PM network peak is highlighted.

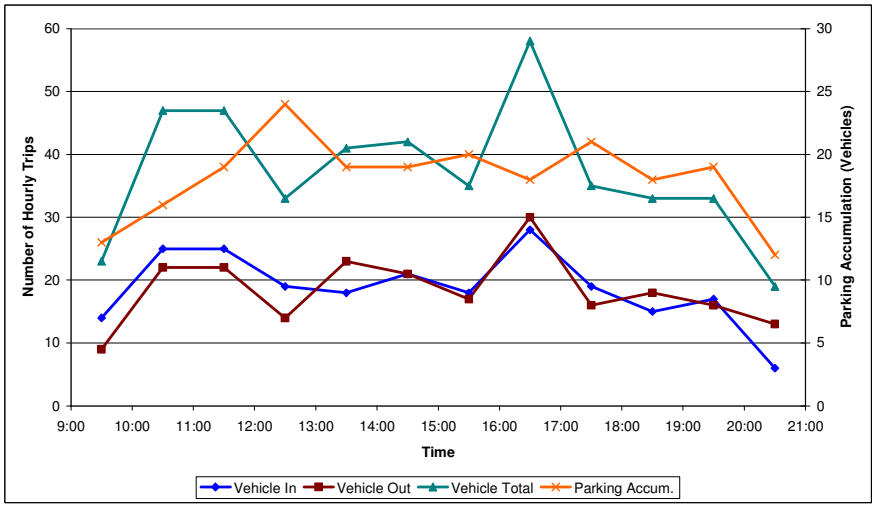

Figure 3-37 BG1 – Survey Results (Thursday) – Vehicle Trips

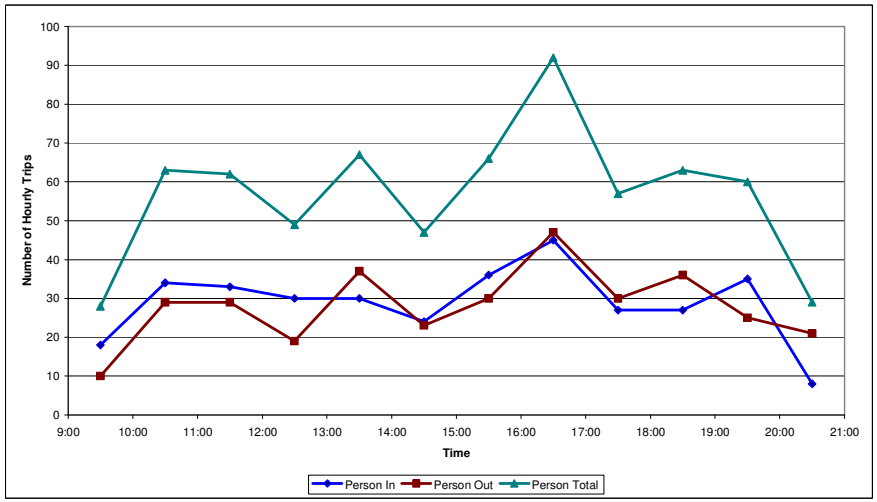

Figure 3-38 BG1 – Survey Results (Thursday) – Person Trips

Table 3-40 BG1 - Survey Results - 15 mins data (Saturday)

BG1			Time:9:00 to 17:00																					
DATE:21 March 2009			VEHICLES PARKED ON SITE						START	8	END	11	VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS		
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK	OCCUPANTS	VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		visitors walk in and out)		VISITOR CARS
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN OUT	IN OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	OUTSIDE
9:00	to	9:15	3	0	3	0	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0
9:15	to	9:30	4	3	5	4	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	2	0	0
9:30	to	9:45	5	6	6	6	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0
9:45	to	10:00	6	3	10	4	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	4	1	0
10:00	to	10:15	3	2	4	4	1	0	3	0	0 0	0 0	0	0	0	0	0	0	0	0	4	3	0
10:15	to	10:30	10	5	16	9	0	1	0	3	0 0	0 0	0	0	0	0	0	0	0	0	2	8	0
10:30	to	10:45	7	4	11	6	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	7	2	0
10:45	to	11:00	2	9	2	16	2	0	2	0	0 0	0 0	0	0	0	0	0	0	0	0	10	8	0
11:00	to	11:15	7	6	11	9	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	7	10	0
11:15	to	11:30	8	9	12	12	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	7	2	0
11:30	to	11:45	3	3	5	5	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	5	8	0
11:45	to	12:00	7	11	11	19	1	0	2	0	0 0	0 0	0	0	0	0	0	0	0	0	1	3	0
12:00	to	12:15	5	10	7	16	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	2	1	0
12:15	to	12:30	9	8	17	12	2	0	3	0	0 0	0 0	0	0	0	0	0	0	0	0	16	5	0
12:30	to	12:45	4	9	6	13	1	1	1	2	0 0	0 0	0	0	0	0	0	0	0	0	9	4	0
12:45	to	13:00	16	6	27	10	1	1	1	2	0 0	0 0	0	0	0	0	0	0	0	0	4	6	1
13:00	to	13:15	13	13	22	25	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	4	10	0
13:15	to	13:30	3	4	6	7	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	1	8	0
13:30	to	13:45	5	10	10	14	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	5	3	0
13:45	to	14:00	9	6	8	13	0	1	0	1	0 0	0 0	1	0	1	0	0	0	0	0	9	6	0
14:00	to	14:15	16	9	19	15	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	8	2	0
14:15	to	14:30	13	8	17	11	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	1	5	0
14:30	to	14:45	12	9	20	14	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	3	6	0
14:45	to	15:00	19	10	28	15	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	13	11	1
15:00	to	15:15	10	14	14	18	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	8	0	0
15:15	to	15:30	9	5	13	6	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	4	10	0
15:30	to	15:45	6	10	8	15	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	4	7	0
15:45	to	16:00	2	15	4	16	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	13	9	0
16:00	to	16:15	5	9	6	13	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	6	8	0
16:15	to	16:30	4	6	6	10	2	0	3	0	0 0	0 0	0	0	0	0	0	0	0	0	8	9	0
16:30	to	16:45	3	7	4	11	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	1	5	0
16:45	to	17:00	8	9	15	15	0	1	0	1	0 0	0 0	0	1	0	2	0	0	0	0	3	5	0
		Total	236	238	353	363	10	5	15	9	0 0	0 0	1	1	1	2	0	0	0	0	171	165	2
		Peak	19	15	28	25	2	1	3	3	0 0	0 0	1	1	1	2	0	0	0	0	16	11	1

^ Customer Vehicle Data

^ Service Vehicle and Pedestrian Data

Table 3-41 BG1 - Survey Results - hourly data (Saturday)

BG1			Light Vehicle									Heavy Vehicle									All							
Hourly Data			Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)			
TIME			In	Out	Total	8	46	In	Out	Total	Accum.	In	Out	Total	0	4	In	Out	Total	Accum.	In	Out	Total	8	50	In	Out	Total	Accum.
9:00	to	10:00	18	12	30	14	30%	24	14	38	10	0	0	0	0	0%	0	0	0	0	18	12	30	14	28%	30	15	45	15
9:15	to	10:15	19	14	33	16	35%	28	18	46	13	0	0	0	0	0%	0	0	0	0	19	14	33	16	32%	38	22	60	19
9:30	to	10:30	25	17	42	20	43%	39	26	65	17	0	0	0	0	0%	0	0	0	0	25	17	42	20	40%	49	38	87	17
9:45	to	10:45	27	15	42	23	50%	44	26	70	22	0	0	0	0	0%	0	0	0	0	27	15	42	23	46%	61	40	101	27
10:00	to	11:00	25	21	46	18	39%	38	38	76	10	0	0	0	0	0%	0	0	0	0	25	21	46	18	36%	61	59	120	17
10:15	to	11:15	28	25	53	19	41%	42	43	85	12	0	0	0	0	0%	0	0	0	0	28	25	53	19	38%	68	71	139	16
10:30	to	11:30	26	28	54	18	39%	38	43	81	12	0	0	0	0	0%	0	0	0	0	26	28	54	18	36%	69	65	134	21
10:45	to	11:45	22	27	49	18	39%	32	42	74	12	0	0	0	0	0%	0	0	0	0	22	27	49	18	36%	61	70	131	18
11:00	to	12:00	26	29	55	15	33%	41	45	86	6	0	0	0	0	0%	0	0	0	0	26	29	55	15	30%	61	68	129	10
11:15	to	12:15	24	33	57	10	22%	37	52	89	-3	0	0	0	0	0%	0	0	0	0	24	33	57	10	20%	52	66	118	2
11:30	to	12:30	27	32	59	13	28%	45	52	97	5	0	0	0	0	0%	0	0	0	0	27	32	59	13	26%	69	69	138	21
11:45	to	12:45	29	39	68	8	17%	47	62	109	-3	0	0	0	0	0%	0	0	0	0	29	39	68	8	16%	75	75	150	18
12:00	to	13:00	38	35	73	18	39%	62	55	117	13	0	0	0	0	0%	0	0	0	0	38	35	73	18	36%	93	71	164	32
12:15	to	13:15	46	38	84	18	39%	77	64	141	10	0	0	0	0	0%	0	0	0	0	46	38	84	18	36%	110	89	199	23
12:30	to	13:30	38	34	72	17	37%	63	59	122	9	0	0	0	0	0%	0	0	0	0	38	34	72	17	34%	81	87	168	15
12:45	to	13:45	38	34	72	12	26%	66	58	124	5	0	0	0	0	0%	0	0	0	0	38	34	72	12	24%	80	85	165	13
13:00	to	14:00	31	34	65	15	33%	47	60	107	0	0	0	0	0	0%	0	0	0	0	31	34	65	15	30%	66	87	153	11
13:15	to	14:15	34	30	64	22	48%	44	50	94	4	0	0	0	0	0%	0	0	0	0	34	30	64	22	44%	67	69	136	21
13:30	to	14:30	44	34	78	27	59%	55	54	109	10	0	0	0	0	0%	0	0	0	0	44	34	78	27	54%	78	70	148	23
13:45	to	14:45	51	33	84	30	65%	65	54	119	16	0	0	0	0	0%	0	0	0	0	51	33	84	30	60%	86	73	159	26
14:00	to	15:00	60	36	96	39	85%	84	55	139	29	0	0	0	0	0%	0	0	0	0	60	36	96	39	78%	109	79	188	41
14:15	to	15:15	54	41	95	35	76%	79	58	137	25	0	0	0	0	0%	0	0	0	0	54	41	95	35	70%	104	80	184	45
14:30	to	15:30	50	38	88	39	85%	75	53	128	32	0	0	0	0	0%	0	0	0	0	50	38	88	39	78%	103	80	183	46
14:45	to	15:45	44	39	83	35	76%	63	54	117	25	0	0	0	0	0%	0	0	0	0	44	39	83	35	70%	92	82	174	36
15:00	to	16:00	27	44	71	22	48%	39	55	94	13	0	0	0	0	0%	0	0	0	0	27	44	71	22	44%	68	81	149	28
15:15	to	16:15	22	39	61	18	39%	31	50	81	6	0	0	0	0	0%	0	0	0	0	22	39	61	18	36%	58	84	142	19
15:30	to	16:30	19	40	59	18	39%	27	54	81	5	0	0	0	0	0%	0	0	0	0	19	40	59	18	36%	58	87	145	17
15:45	to	16:45	16	37	53	14	30%	23	50	73	-2	0	0	0	0	0%	0	0	0	0	16	37	53	14	28%	51	81	132	6
16:00	to	17:00	22	33	55	11	24%	34	52	86	-5	0	0	0	0	0%	0	0	0	0	22	33	55	11	22%	52	79	131	1
Peak			60	44	96	39	85%	84	64	141	32	0	0	0	0	0	0	0	0	0	60	44	96	39	78%	110	89	199	46

* Network peak is highlighted.

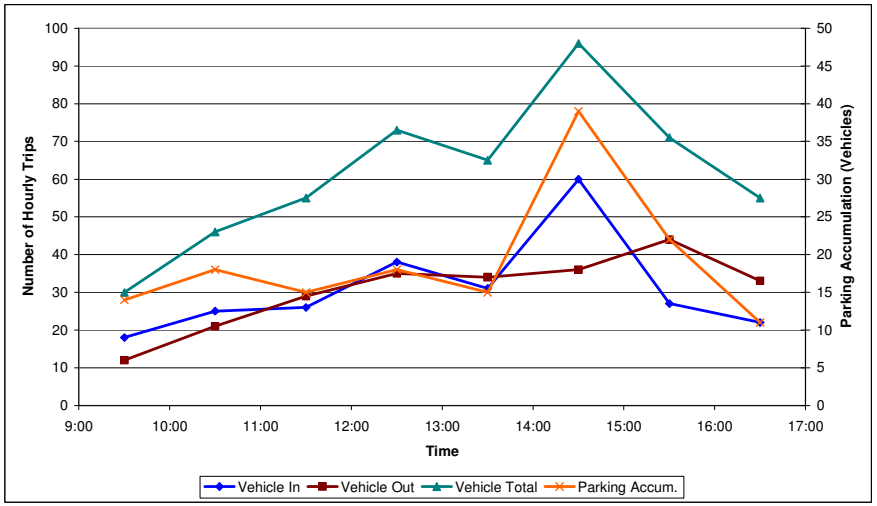

Figure 3-39 BG1 – Survey Results (Saturday) – Vehicle Trips

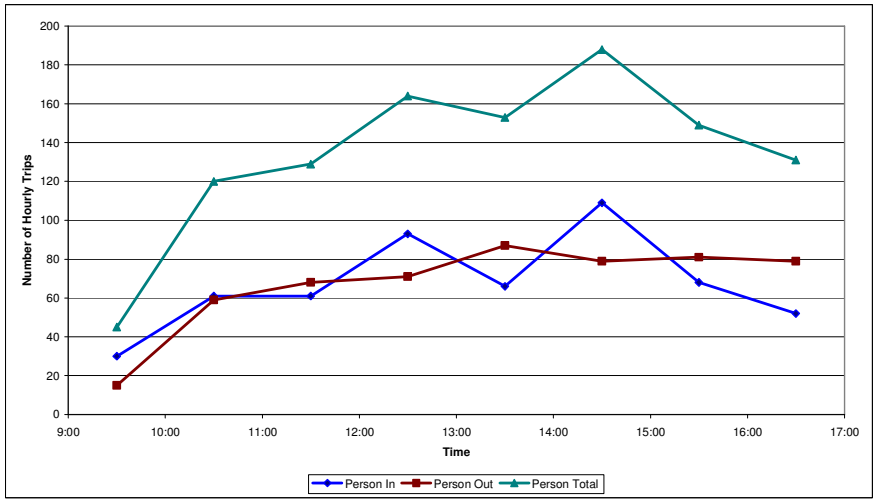

Figure 3-40 BG1 – Survey Results (Saturday) – Person Trips

3.1.11 BG2 – Harvey Norman at Auburn

Table 3-42 BG2 - Survey Results - 15 mins data (Thursday)

BG2			Time:9:00 to 21:00																							
Date: 12March2009			VEHICLES PARKED ON SITE						START		52		END		71		VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS visitors walk in and out)		VISITOR CARS OUTSIDE
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS					
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
9:00	to	9:15	5	1	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3
9:15	to	9:30	10	4	12	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
9:30	to	9:45	10	7	10	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45	to	10:00	13	6	15	6	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	4	4	1		
10:00	to	10:15	8	8	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	0		
10:15	to	10:30	18	9	24	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
10:30	to	10:45	26	9	31	10	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	2	0	0		
10:45	to	11:00	10	20	15	27	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1		
11:00	to	11:15	20	21	30	32	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	3	4	0		
11:15	to	11:30	25	10	35	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0		
11:30	to	11:45	17	17	23	20	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	6	1		
11:45	to	12:00	24	24	32	38	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	5	3	2		
12:00	to	12:15	19	17	24	28	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	6	5	0		
12:15	to	12:30	20	18	22	24	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	12	3	2		
12:30	to	12:45	23	18	30	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	5	0		
12:45	to	13:00	15	24	22	31	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	1		
13:00	to	13:15	21	20	27	25	1	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	4	0		
13:15	to	13:30	19	22	28	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0		
13:30	to	13:45	20	22	31	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	0		
13:45	to	14:00	20	19	27	28	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	6	6	0		
14:00	to	14:15	12	17	18	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	0		
14:15	to	14:30	19	13	25	17	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	8	2	0		
14:30	to	14:45	11	15	14	21	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	4	3	1		
14:45	to	15:00	13	15	22	24	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	4	1	1		
15:00	to	15:15	16	13	26	16	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2	0		
15:15	to	15:30	12	19	18	32	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	12	0		
15:30	to	15:45	15	10	22	14	1	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	6	0	0		
15:45	to	16:00	17	18	26	28	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	8	2	0		
16:00	to	16:15	16	8	21	14	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	3	2	0		
16:15	to	16:30	12	12	21	16	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	9	4	0		
16:30	to	16:45	11	20	15	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0		
16:45	to	17:00	20	19	34	31	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	3	4	0		
17:00	to	17:15	28	16	40	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	3	0		
17:15	to	17:30	16	20	25	28	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	3	4	0		
17:30	to	17:45	18	34	31	48	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	3	5	1		
17:45	to	18:00	21	24	37	31	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	0		
18:00	to	18:15	17	19	30	33	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	5	6	0		
18:15	to	18:30	19	22	36	31	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	7	1		
18:30	to	18:45	21	15	28	28	2	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	12	8	1		
18:45	to	19:00	16	22	26	38	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	9	0		
19:00	to	19:15	22	20	38	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	14	0		
19:15	to	19:30	40	18	82	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	1		
19:30	to	19:45	37	25	74	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	0		
19:45	to	20:00	27	29	63	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	0		
20:00	to	20:15	26	30	68	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	0		
20:15	to	20:30	13	24	28	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	6	0		
20:30	to	20:45	11	30	21	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	0		
20:45	to	21:00	2	28	6	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0		
		Total	851	851	1350	1362	15	5	17	6	0	0	0	0	15	6	17	7	0	0	0	0	211	199	18		
		Peak	40	34	82	69	2	1	3	2	0	0	0	0	2	1	2	2	0	0	0	0	12	14	3		

^ Customer Vehicle Data

^ Service Vehicle and Pedestrian Data

Table 3-43 BG2 - Survey Results - hourly data (Thursday)

BG2			Light Vehicle									Heavy Vehicle									All							
Hourly Data			Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)			
TIME			In	Out	Total	52	350	In	Out	Total	Accum.	In	Out	Total	0	0	In	Out	Total	Accum.	In	Out	Total	52	350	In	Out	Total	Accum.
9:00	to	10:00	40	18	58	74	21%	45	21	66	24	0	0	0	0	#DIV/0!	0	0	0	0	40	18	58	74	21%	50	26	76	24
9:15	to	10:15	43	25	68	74	21%	50	31	81	24	0	0	0	0	#DIV/0!	0	0	0	0	43	25	68	74	21%	59	39	98	26
9:30	to	10:30	51	30	81	83	24%	62	36	98	37	0	0	0	0	#DIV/0!	0	0	0	0	51	30	81	83	24%	71	43	114	39
9:45	to	10:45	69	32	101	102	29%	85	38	123	60	0	0	0	0	#DIV/0!	0	0	0	0	69	32	101	102	29%	96	45	141	64
10:00	to	11:00	65	46	111	93	27%	84	59	143	49	0	0	0	0	#DIV/0!	0	0	0	0	65	46	111	93	27%	94	62	156	56
10:15	to	11:15	78	60	138	92	26%	104	81	185	47	0	0	0	0	#DIV/0!	0	0	0	0	78	60	138	92	26%	112	85	197	53
10:30	to	11:30	85	61	146	107	31%	115	87	202	65	0	0	0	0	#DIV/0!	0	0	0	0	85	61	146	107	31%	128	91	219	76
10:45	to	11:45	75	69	144	108	31%	106	97	203	69	0	0	0	0	#DIV/0!	0	0	0	0	75	69	144	108	31%	122	107	229	79
11:00	to	12:00	89	74	163	108	31%	123	109	232	63	0	0	0	0	#DIV/0!	0	0	0	0	89	74	163	108	31%	141	122	263	75
11:15	to	12:15	89	69	158	112	32%	118	104	222	61	0	0	0	0	#DIV/0!	0	0	0	0	89	69	158	112	32%	139	118	257	74
11:30	to	12:30	85	77	162	115	33%	107	111	218	61	0	0	0	0	#DIV/0!	0	0	0	0	85	77	162	115	33%	135	128	263	83
11:45	to	12:45	90	78	168	120	34%	113	126	239	56	0	0	0	0	#DIV/0!	0	0	0	0	90	78	168	120	34%	145	142	287	82
12:00	to	13:00	81	77	158	112	32%	103	118	221	48	0	0	0	0	#DIV/0!	0	0	0	0	81	77	158	112	32%	133	136	269	72
12:15	to	13:15	83	81	164	114	33%	106	116	222	51	0	0	0	0	#DIV/0!	0	0	0	0	83	81	164	114	33%	131	133	264	72
12:30	to	13:30	81	85	166	111	32%	110	126	236	45	0	0	0	0	#DIV/0!	0	0	0	0	81	85	166	111	32%	127	144	271	66
12:45	to	13:45	78	89	167	109	31%	111	121	232	46	0	0	0	0	#DIV/0!	0	0	0	0	78	89	167	109	31%	123	141	264	64
13:00	to	14:00	83	84	167	111	32%	117	118	235	47	0	0	0	0	#DIV/0!	0	0	0	0	83	84	167	111	32%	132	139	271	65
13:15	to	14:15	72	80	152	106	30%	106	114	220	43	0	0	0	0	#DIV/0!	0	0	0	0	72	80	152	106	30%	124	140	264	56
13:30	to	14:30	74	71	145	114	33%	105	97	202	53	0	0	0	0	#DIV/0!	0	0	0	0	74	71	145	114	33%	127	121	248	72
13:45	to	14:45	65	65	130	109	31%	88	90	178	44	0	0	0	0	#DIV/0!	0	0	0	0	65	65	130	109	31%	110	110	220	64
14:00	to	15:00	57	62	119	106	30%	81	87	168	41	0	0	0	0	#DIV/0!	0	0	0	0	57	62	119	106	30%	101	102	203	64
14:15	to	15:15	62	58	120	110	31%	90	81	171	52	0	0	0	0	#DIV/0!	0	0	0	0	62	58	120	110	31%	112	89	201	79
14:30	to	15:30	54	64	118	104	30%	82	96	178	39	0	0	0	0	#DIV/0!	0	0	0	0	54	64	118	104	30%	97	114	211	55
14:45	to	15:45	60	59	119	110	31%	92	88	180	48	0	0	0	0	#DIV/0!	0	0	0	0	60	59	119	110	31%	109	103	212	70
15:00	to	16:00	64	62	126	108	31%	96	92	188	45	0	0	0	0	#DIV/0!	0	0	0	0	64	62	126	108	31%	117	108	225	73
15:15	to	16:15	63	58	121	115	33%	90	91	181	51	0	0	0	0	#DIV/0!	0	0	0	0	63	58	121	115	33%	108	107	215	80
15:30	to	16:30	63	51	114	116	33%	93	75	168	57	0	0	0	0	#DIV/0!	0	0	0	0	63	51	114	116	33%	119	83	202	91
15:45	to	16:45	57	60	117	107	31%	84	89	173	43	0	0	0	0	#DIV/0!	0	0	0	0	57	60	117	107	31%	105	103	208	72
16:00	to	17:00	61	60	121	109	31%	93	91	184	47	0	0	0	0	#DIV/0!	0	0	0	0	61	60	121	109	31%	109	107	216	75
16:15	to	17:15	73	67	140	121	35%	112	99	211	64	0	0	0	0	#DIV/0!	0	0	0	0	73	67	140	121	35%	133	116	249	97
16:30	to	17:30	77	75	152	118	34%	117	111	228	63	0	0	0	0	#DIV/0!	0	0	0	0	77	75	152	118	34%	132	128	260	95
16:45	to	17:45	85	89	174	103	29%	134	130	264	47	0	0	0	0	#DIV/0!	0	0	0	0	85	89	174	103	29%	151	146	297	77
17:00	to	18:00	86	94	180	101	29%	137	130	267	54	0	0	0	0	#DIV/0!	0	0	0	0	86	94	180	101	29%	156	145	301	86
17:15	to	18:15	77	97	174	101	29%	129	140	269	53	0	0	0	0	#DIV/0!	0	0	0	0	77	97	174	101	29%	145	158	303	84
17:30	to	18:30	79	100	179	97	28%	138	144	282	57	0	0	0	0	#DIV/0!	0	0	0	0	79	100	179	97	28%	154	165	319	84
17:45	to	18:45	83	82	165	104	30%	137	126	263	58	0	0	0	0	#DIV/0!	0	0	0	0	83	82	165	104	30%	162	150	312	89
18:00	to	19:00	77	81	158	97	28%	125	134	259	45	0	0	0	0	#DIV/0!	0	0	0	0	77	81	158	97	28%	148	164	312	70
18:15	to	19:15	80	82	162	99	28%	131	135	266	49	0	0	0	0	#DIV/0!	0	0	0	0	80	82	162	99	28%	151	173	324	62
18:30	to	19:30	101	77	178	121	35%	177	136	313	98	0	0	0	0	#DIV/0!	0	0	0	0	101	77	178	121	35%	200	168	368	116
18:45	to	19:45	115	86	201	133	38%	220	147	367	131	0	0	0	0	#DIV/0!	0	0	0	0	115	86	201	133	38%	235	179	414	145
19:00	to	20:00	126	92	218	131	37%	257	171	428	131	0	0	0	0	#DIV/0!	0	0	0	0	126	92	218	131	37%	274	197	471	147
19:15	to	20:15	130	102	232	127	36%	287	206	493	130	0	0	0	0	#DIV/0!	0	0	0	0	130	102	232	127	36%	306	225	531	143
19:30	to	20:30	103	108	211	116	33%	233	225	458	106	0	0	0	0	#DIV/0!	0	0	0	0	103	108	211	116	33%	257	249	506	124
19:45	to	20:45	77	113	190	97	28%	180	251	431	60	0	0	0	0	#DIV/0!	0	0	0	0	77	113	190	97	28%	202	272	474	75
20:00	to	21:00	52	112	164	71	20%	123	245	368	9	0	0	0	0	#DIV/0!	0	0	0	0	52	112	164	71	20%	140	266	406	21
Peak			130	113	232	133	38%	287	251	493	131	0	0	0	0	#DIV/0!	0	0	0	0	130	113	232	133	38%	306	272	531	147

* PM network peak is highlighted.

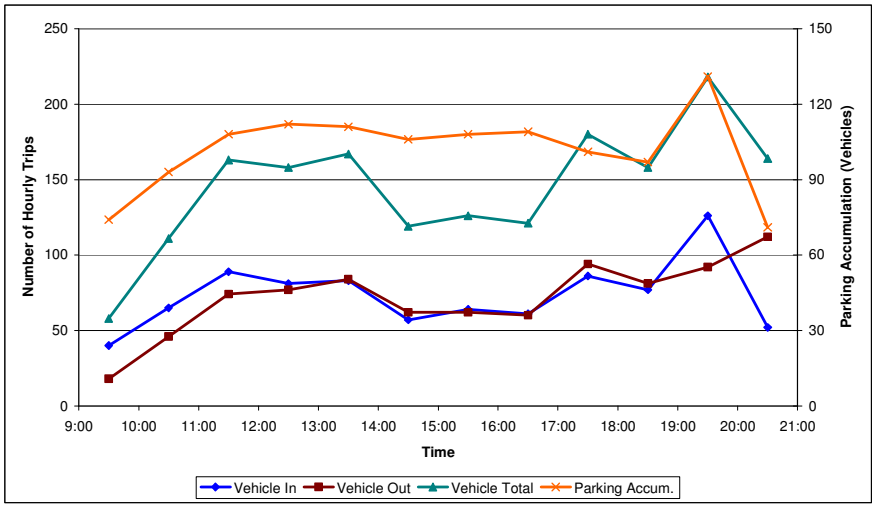

Figure 3-41 BG2 – Survey Results (Thursday) – Vehicle Trips

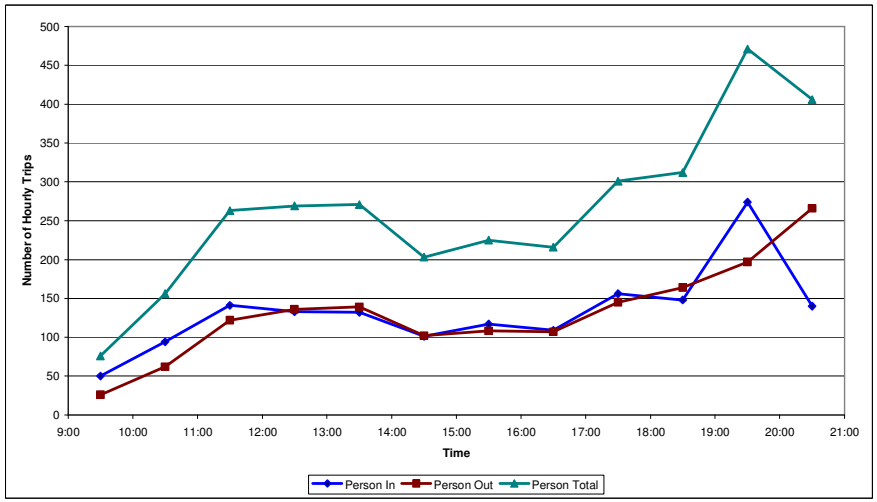

Figure 3-42 BG2 – Survey Results (Thursday) – Person Trips

Table 3-44 BG2- Survey Results - 15 mins data (Saturday)

BG2			Time:7:00 to 17:30																				
Date: 12March2009			VEHICLES PARKED ON SITE						START	65	END	83	VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS		VISITOR CARS
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK	OCCUPANTS	VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		visitors walk in and out)		OUTSIDE
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN OUT	IN OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
9:00	to	9:15	13	5	20	5	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	2	0	2
9:15	to	9:30	17	4	25	4	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	5	3	1
9:30	to	9:45	23	12	35	23	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	5	3	1
9:45	to	10:00	24	12	43	20	1	0	2	0	0 0	0 0	0	0	0	0	0	0	0	0	4	6	0
10:00	to	10:15	22	15	37	26	0	0	0	0	0 0	0 0	1	0	2	0	0	0	0	0	1	3	0
10:15	to	10:30	31	13	53	20	0	1	0	2	0 0	0 0	0	0	0	0	0	0	0	0	1	2	0
10:30	to	10:45	36	30	66	53	2	0	3	0	0 0	0 0	0	0	0	0	0	0	0	0	6	2	0
10:45	to	11:00	36	23	65	44	0	1	0	1	0 0	0 0	0	0	0	0	0	0	0	0	13	4	1
11:00	to	11:15	33	34	65	68	2	0	2	0	0 0	0 0	1	0	1	0	0	0	0	0	13	11	1
11:15	to	11:30	34	32	62	65	0	0	0	0	0 0	0 0	0	1	0	1	0	0	0	0	14	14	1
11:30	to	11:45	25	24	46	44	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	7	11	1
11:45	to	12:00	47	32	90	63	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	6	8	0
12:00	to	12:15	39	31	80	54	1	0	1	0	0 0	0 0	0	0	0	0	0	0	0	0	1	17	0
12:15	to	12:30	31	37	55	82	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	4	12	0
12:30	to	12:45	57	33	114	68	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	10	8	0
12:45	to	13:00	54	44	104	87	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	27	7	2
13:00	to	13:15	61	54	121	102	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	14	19	0
13:15	to	13:30	48	46	97	99	0	1	0	1	0 0	0 0	0	0	0	0	0	0	0	0	32	21	2
13:30	to	13:45	42	43	93	82	3	0	5	0	0 0	0 0	1	0	2	0	0	0	0	0	16	42	2
13:45	to	14:00	40	36	91	76	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	5	16	0
14:00	to	14:15	47	52	100	112	2	0	3	0	0 0	0 0	1	1	2	2	0	0	0	0	13	11	1
14:15	to	14:30	62	53	135	120	0	2	0	2	0 0	0 0	2	1	3	2	0	0	0	0	27	29	0
14:30	to	14:45	48	41	95	92	0	0	0	0	0 0	0 0	0	1	0	2	0	0	0	0	20	26	1
14:45	to	15:00	58	53	132	114	1	0	2	0	0 0	0 0	0	0	0	0	0	0	0	0	13	18	0
15:00	to	15:15	39	44	87	90	0	1	0	2	0 0	0 0	0	0	0	0	0	0	0	0	30	29	0
15:15	to	15:30	43	55	85	111	0	1	0	1	0 0	0 0	1	0	1	0	0	0	0	0	28	12	1
15:30	to	15:45	45	56	103	117	0	2	0	6	0 0	0 0	0	0	0	0	0	0	0	0	12	15	0
15:45	to	16:00	51	47	104	90	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	8	14	0
16:00	to	16:15	37	55	82	117	1	1	2	2	0 0	0 0	0	0	0	0	0	0	0	0	12	24	0
16:15	to	16:30	35	65	69	135	1	0	2	0	0 0	0 0	0	0	0	0	0	0	0	0	19	12	0
16:30	to	16:45	29	34	59	82	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	10	11	0
16:45	to	17:00	17	45	24	85	0	1	0	2	0 0	0 0	0	0	0	0	0	0	0	0	9	4	0
17:00	to	17:15	17	42	37	89	1	0	2	0	0 0	0 0	0	0	0	0	0	0	0	0	3	5	0
17:15	to	17:30	1	28	2	59	0	1	0	2	0 0	0 0	0	0	0	0	0	0	0	0	2	3	2
		Total	1242	1230	2476	2498	15	12	24	21	0 0	0 0	7	4	11	7	0	0	0	0	392	422	19
		Peak	62	65	135	135	3	2	5	6	0 0	0 0	2	1	3	2	0	0	0	0	32	42	2

^ Customer Vehicle Data

^ Service Vehicle and Pedestrian Data

Table 3-45 BG2 - Survey Results - hourly data (Saturday)

BG2 Hourly Data			Light Vehicle									Heavy Vehicle									All								
			Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)			
TIME			In	Out	Total	65	350	In	Out	Total	Accum.	In	Out	Total	0	0	In	Out	Total	Accum.	In	Out	Total	65	350	In	Out	Total	Accum.
9:00	to	10:00	78	33	111	110	31%	125	52	177	73	0	0	0	0	#DIV/0!	0	0	0	0	78	33	111	110	31%	141	64	205	77
9:15	to	10:15	88	43	131	118	34%	144	73	217	86	0	0	0	0	#DIV/0!	0	0	0	0	88	43	131	118	34%	159	88	247	88
9:30	to	10:30	102	53	155	135	39%	172	91	263	117	0	0	0	0	#DIV/0!	0	0	0	0	102	53	155	135	39%	183	105	288	118
9:45	to	10:45	117	71	188	143	41%	206	121	327	133	0	0	0	0	#DIV/0!	0	0	0	0	117	71	188	143	41%	218	134	352	138
10:00	to	11:00	128	83	211	155	44%	226	146	372	153	0	0	0	0	#DIV/0!	0	0	0	0	128	83	211	155	44%	247	157	404	167
10:15	to	11:15	141	102	243	157	45%	255	188	443	153	0	0	0	0	#DIV/0!	0	0	0	0	141	102	243	157	45%	288	207	495	169
10:30	to	11:30	144	121	265	158	45%	264	232	496	149	0	0	0	0	#DIV/0!	0	0	0	0	144	121	265	158	45%	310	263	573	165
10:45	to	11:45	131	115	246	159	45%	241	223	464	151	0	0	0	0	#DIV/0!	0	0	0	0	131	115	246	159	45%	288	263	551	163
11:00	to	12:00	142	123	265	174	50%	266	241	507	178	0	0	0	0	#DIV/0!	0	0	0	0	142	123	265	174	50%	306	285	591	188
11:15	to	12:15	146	120	266	183	52%	279	227	506	205	0	0	0	0	#DIV/0!	0	0	0	0	146	120	266	183	52%	307	277	584	199
11:30	to	12:30	143	124	267	177	51%	272	243	515	178	0	0	0	0	#DIV/0!	0	0	0	0	143	124	267	177	51%	290	291	581	164
11:45	to	12:45	175	133	308	201	57%	340	267	607	224	0	0	0	0	#DIV/0!	0	0	0	0	175	133	308	201	57%	361	312	673	212
12:00	to	13:00	182	145	327	211	60%	354	291	645	241	0	0	0	0	#DIV/0!	0	0	0	0	182	145	327	211	60%	396	335	731	249
12:15	to	13:15	203	168	371	218	62%	394	339	733	260	0	0	0	0	#DIV/0!	0	0	0	0	203	168	371	218	62%	449	385	834	263
12:30	to	13:30	220	178	398	219	63%	436	357	793	257	0	0	0	0	#DIV/0!	0	0	0	0	220	178	398	219	63%	519	412	931	271
12:45	to	13:45	209	188	397	222	63%	422	371	793	275	0	0	0	0	#DIV/0!	0	0	0	0	209	188	397	222	63%	511	460	971	263
13:00	to	14:00	195	180	375	226	65%	409	360	769	290	0	0	0	0	#DIV/0!	0	0	0	0	195	180	375	226	65%	476	458	934	267
13:15	to	14:15	184	179	363	223	64%	393	372	765	281	0	0	0	0	#DIV/0!	0	0	0	0	184	179	363	223	64%	459	462	921	260
13:30	to	14:30	200	188	388	231	66%	434	396	830	295	0	0	0	0	#DIV/0!	0	0	0	0	200	188	388	231	66%	495	494	989	272
13:45	to	14:45	202	187	389	237	68%	429	408	837	296	0	0	0	0	#DIV/0!	0	0	0	0	202	187	389	237	68%	494	490	984	267
14:00	to	15:00	221	204	425	243	69%	472	446	918	316	0	0	0	0	#DIV/0!	0	0	0	0	221	204	425	243	69%	545	530	1075	282
14:15	to	15:15	210	196	406	237	68%	454	424	878	311	0	0	0	0	#DIV/0!	0	0	0	0	210	196	406	237	68%	544	526	1070	278
14:30	to	15:30	190	196	386	225	64%	402	412	814	285	0	0	0	0	#DIV/0!	0	0	0	0	190	196	386	225	64%	493	497	990	268
14:45	to	15:45	187	212	399	212	61%	410	441	851	265	0	0	0	0	#DIV/0!	0	0	0	0	187	212	399	212	61%	493	515	1008	245
15:00	to	16:00	179	206	385	216	62%	380	417	797	279	0	0	0	0	#DIV/0!	0	0	0	0	179	206	385	216	62%	458	487	945	253
15:15	to	16:15	178	217	395	198	57%	377	444	821	244	0	0	0	0	#DIV/0!	0	0	0	0	178	217	395	198	57%	437	509	946	206
15:30	to	16:30	170	226	396	169	48%	362	467	829	180	0	0	0	0	#DIV/0!	0	0	0	0	170	226	396	169	48%	413	532	945	149
15:45	to	16:45	154	202	356	164	47%	318	426	744	157	0	0	0	0	#DIV/0!	0	0	0	0	154	202	356	164	47%	367	487	854	125
16:00	to	17:00	120	201	321	135	39%	238	423	661	94	0	0	0	0	#DIV/0!	0	0	0	0	120	201	321	135	39%	288	474	762	67
16:15	to	17:15	100	187	287	111	32%	193	393	586	44	0	0	0	0	#DIV/0!	0	0	0	0	100	187	287	111	32%	234	425	659	15
16:30	to	17:30	65	151	216	83	24%	124	319	443	-15	0	0	0	0	#DIV/0!	0	0	0	0	65	151	216	83	24%	148	342	490	-45
Peak			221	226	425	243	69%	472	467	918	316	0	0	0	0	#DIV/0!	0	0	0	0	221	226	425	243	69%	545	532	1075	282

* Network peak is highlighted.

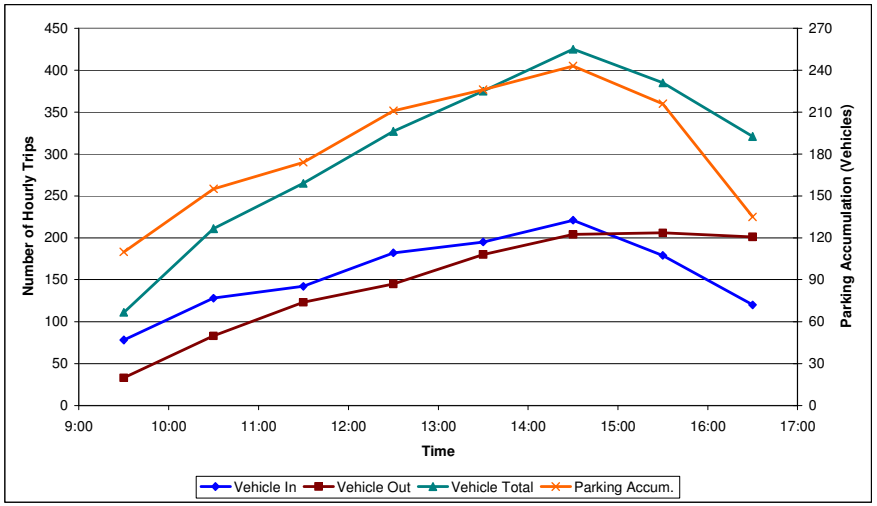

Figure 3-43 BG2 – Survey Results (Saturday) – Vehicle Trips

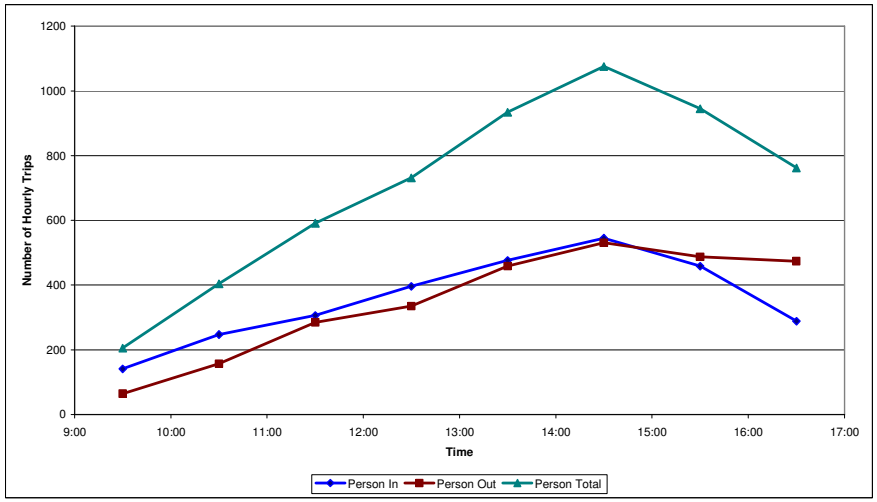

Figure 3-44 BG2 – Survey Results (Saturday) – Person Trips

3.1.12 BG3 – Retravision at Springwood

Table 3-46 BG3 - Survey Results - 15 mins data (Thursday)

BG3			Time: 9:00 to 17:30											
Date: 12March2009			VEHICLES PARKED ON SITE				START		4	END		9		
15mins Data WEATHER- Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS	
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
9:00	to	9:15	2	0	2	0	0	0	0	0	0	0	0	0
9:15	to	9:30	1	0	1	0	0	0	0	0	0	0	0	0
9:30	to	9:45	1	0	2	0	0	0	0	0	0	0	0	0
9:45	to	10:00	2	1	2	1	1	1	1	1	1	0	1	0
10:00	to	10:15	5	3	7	5	0	0	0	0	0	1	0	1
10:15	to	10:30	3	2	3	3	0	0	0	0	0	0	0	0
10:30	to	10:45	1	2	1	2	0	0	0	0	0	0	0	0
10:45	to	11:00	2	2	2	2	0	0	0	0	0	0	0	0
11:00	to	11:15	1	1	1	1	0	0	0	0	0	0	0	0
11:15	to	11:30	2	2	3	2	0	0	0	0	0	0	0	0
11:30	to	11:45	3	2	3	3	0	0	0	0	0	0	0	0
11:45	to	12:00	2	1	2	1	0	0	0	0	0	0	0	0
12:00	to	12:15	0	2	0	2	0	0	0	0	0	0	0	0
12:15	to	12:30	1	3	3	3	0	0	0	0	0	0	0	0
12:30	to	12:45	2	1	3	2	0	0	0	0	0	0	0	0
12:45	to	13:00	3	0	4	0	0	0	0	0	0	0	0	0
13:00	to	13:15	2	5	4	8	0	0	0	0	0	0	0	0
13:15	to	13:30	0	1	0	1	0	0	0	0	0	0	0	0
13:30	to	13:45	4	2	5	3	0	0	0	0	0	0	0	0
13:45	to	14:00	0	2	0	3	0	0	0	0	0	0	0	0
14:00	to	14:15	0	0	0	0	0	0	0	0	0	0	0	0
14:15	to	14:30	6	0	9	0	0	0	0	0	0	0	0	0
14:30	to	14:45	2	4	3	5	0	0	0	0	0	0	0	0
14:45	to	15:00	3	1	4	2	0	0	0	0	0	0	0	0
15:00	to	15:15	5	4	7	5	0	0	0	0	0	0	0	0
15:15	to	15:30	1	1	1	1	0	0	0	0	0	0	0	0
15:30	to	15:45	3	1	4	1	0	0	0	0	0	0	0	0
15:45	to	16:00	3	2	5	3	0	0	0	0	0	0	0	0
16:00	to	16:15	0	2	0	2	0	0	0	0	0	0	0	0
16:15	to	16:30	0	1	0	1	0	0	0	0	0	0	0	0
16:30	to	16:45	1	2	2	2	0	0	0	0	0	0	0	0
16:45	to	17:00	1	4	1	6	0	0	0	0	0	0	0	0
17:00	to	17:15	4	4	6	4	0	0	0	0	0	0	0	0
17:15	to	17:30	2	5	4	6	0	0	0	0	0	0	0	0
		Total	68	63	94	80	1	1	1	1	1	1	1	1
		Peak	6	5	9	8	1	1	1	1	1	1	1	1

Customer Vehicle Data

VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS visitors walk in and out)		VISITOR CARS OUTSIDE
VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS				
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0	0	0	0	1	0	1	0	1	1	2
0	0	0	0	0	0	0	0	1	1	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	1	0	0	0
0	0	0	0	1	1	2	2	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	1	1	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	1	1
0	0	0	0	0	0	0	0	1	1	0
0	0	0	0	0	0	0	0	1	1	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	1	1	1	0	0	0
0	0	0	0	1	0	1	0	1	0	1
0	0	0	0	1	1	1	1	0	0	0
0	0	0	0	0	1	0	1	1	1	0
0	0	0	0	0	0	0	0	1	1	0
0	0	0	0	0	0	0	0	1	1	1
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	2	2	1
0	0	0	0	0	0	0	0	1	0	2
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	1	1	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	1	0	0	0	0
0	0	0	0	0	1	0	1	0	0	0
0	0	0	0	8	8	9	9	12	10	8
0	0	0	0	1	1	2	2	2	2	2

Service Vehicle and Pedestrian Data

Table 3-47 BG3- Survey Results - hourly data (Thursday)

BG3 Hourly Data			Light Vehicle: Vehicle			Light Vehicle: Parking Accum.	Light Vehicle: Parking %	Light Vehicle: Person (Occupants)				Heavy Vehicle: Vehicle			Heavy Vehicle: Parking Accum.	Heavy Vehicle: Parking %	Heavy Vehicle: Person (Occupants)				All: Vehicle			All: Parking Accum. (Exclude outside)	All: Parking %	All: Person (include Pedestrian)			
TIME			In	Out	Total	4	13	In	Out	Total	Accum.	In	Out	Total	0	1	In	Out	Total	Accum.	In	Out	Total	4	14	In	Out	Total	Accum.
9:00	to	10:00	7	2	9	9	69%	8	2	10	6	2	0	2	2	200%	2	0	2	2	9	2	11	11	79%	12	4	16	8
9:15	to	10:15	10	5	15	11	85%	13	7	20	8	1	1	2	1	100%	1	1	2	1	11	6	17	12	86%	15	9	24	9
9:30	to	10:30	12	7	19	12	92%	15	10	25	8	1	1	2	1	100%	1	1	2	1	13	8	21	13	93%	16	11	27	9
9:45	to	10:45	12	9	21	11	85%	14	12	26	7	1	2	3	0	0%	1	2	3	0	13	11	24	11	79%	15	14	29	7
10:00	to	11:00	11	9	20	11	85%	13	12	25	7	1	3	4	0	0%	2	4	6	0	12	12	24	11	79%	15	16	31	7
10:15	to	11:15	7	7	14	11	85%	7	8	15	7	1	2	3	0	0%	2	3	5	0	8	9	17	11	79%	9	11	20	7
10:30	to	11:30	6	7	13	11	85%	7	7	14	8	1	2	3	0	0%	2	3	5	0	7	9	16	11	79%	9	10	19	8
10:45	to	11:45	8	7	15	12	92%	9	8	17	8	2	2	4	0	0%	3	3	6	0	10	9	19	12	86%	12	11	23	8
11:00	to	12:00	8	6	14	13	100%	9	7	16	9	1	1	2	0	0%	1	1	2	0	9	7	16	13	93%	10	8	18	9
11:15	to	12:15	7	7	14	11	85%	8	8	16	7	1	1	2	0	0%	1	1	2	0	8	8	16	11	79%	10	10	20	7
11:30	to	12:30	6	8	14	9	69%	8	9	17	7	1	1	2	0	0%	1	1	2	0	7	9	16	9	64%	11	12	23	7
11:45	to	12:45	5	7	12	10	77%	8	8	16	8	0	0	0	0	0%	0	0	0	0	5	7	12	10	71%	11	11	22	8
12:00	to	13:00	6	6	12	13	100%	10	7	17	12	0	0	0	0	0%	0	0	0	0	6	6	12	13	93%	13	10	23	12
12:15	to	13:15	8	9	17	10	77%	14	13	27	8	0	0	0	0	0%	0	0	0	0	8	9	17	10	71%	16	15	31	8
12:30	to	13:30	7	7	14	9	69%	11	11	22	7	0	0	0	0	0%	0	0	0	0	7	7	14	9	64%	12	12	24	7
12:45	to	13:45	9	8	17	11	85%	13	12	25	9	1	1	2	0	0%	1	1	2	0	10	9	19	11	79%	14	13	27	9
13:00	to	14:00	6	10	16	9	69%	9	15	24	6	2	1	3	1	100%	2	1	3	1	8	11	19	10	71%	12	16	28	8
13:15	to	14:15	4	5	9	9	69%	5	7	12	6	3	2	5	1	100%	3	2	5	1	7	7	14	10	71%	9	9	18	8
13:30	to	14:30	10	4	14	15	115%	14	6	20	15	3	3	6	0	0%	3	3	6	0	13	7	20	15	107%	19	10	29	16
13:45	to	14:45	8	6	14	13	100%	12	8	20	13	2	2	4	0	0%	2	2	4	0	10	8	18	13	93%	17	12	29	14
14:00	to	15:00	11	5	16	15	115%	16	7	23	15	1	2	3	0	0%	1	2	3	0	12	7	19	15	107%	20	12	32	16
14:15	to	15:15	16	9	25	16	123%	23	12	35	17	0	1	1	0	0%	0	1	1	0	16	10	26	16	114%	26	16	42	18
14:30	to	15:30	11	10	21	16	123%	15	13	28	17	0	0	0	0	0%	0	0	0	0	11	10	21	16	114%	17	15	32	18
14:45	to	15:45	12	7	19	18	138%	16	9	25	20	0	0	0	0	0%	0	0	0	0	12	7	19	18	129%	19	12	31	21
15:00	to	16:00	12	8	20	19	146%	17	10	27	22	0	0	0	0	0%	0	0	0	0	12	8	20	19	136%	20	12	32	24
15:15	to	16:15	7	6	13	17	131%	10	7	17	20	0	0	0	0	0%	0	0	0	0	7	6	13	17	121%	13	9	22	22
15:30	to	16:30	6	6	12	16	123%	9	7	16	19	1	1	2	0	0%	1	1	2	0	7	7	14	16	114%	13	10	23	21
15:45	to	16:45	4	7	11	15	115%	7	8	15	19	1	1	2	0	0%	1	1	2	0	5	8	13	15	107%	9	9	18	21
16:00	to	17:00	2	9	11	12	92%	3	11	14	14	2	1	3	1	100%	2	1	3	1	4	10	14	13	93%	5	12	17	17
16:15	to	17:15	6	11	17	12	92%	9	13	22	16	2	1	3	1	100%	2	1	3	1	8	12	20	13	93%	11	14	25	19
16:30	to	17:30	8	15	23	9	69%	13	18	31	14	1	1	2	0	0%	1	1	2	0	9	16	25	9	64%	14	19	33	16
		Peak	16	15	25	19	146%	23	18	35	22	3	3	6	2	2	3	4	6	2	16	16	26	19	136%	26	19	42	24

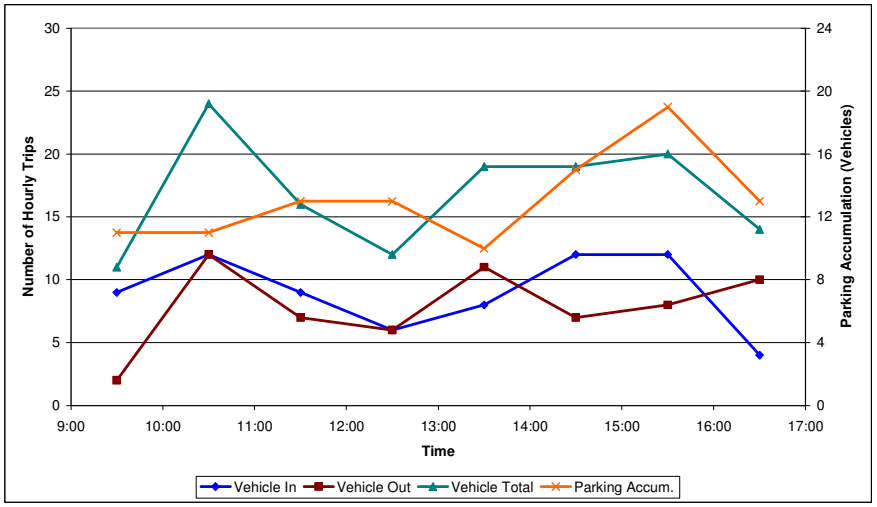

Figure 3-45 BG3 – Survey Results (Thursday) – Vehicle Trips

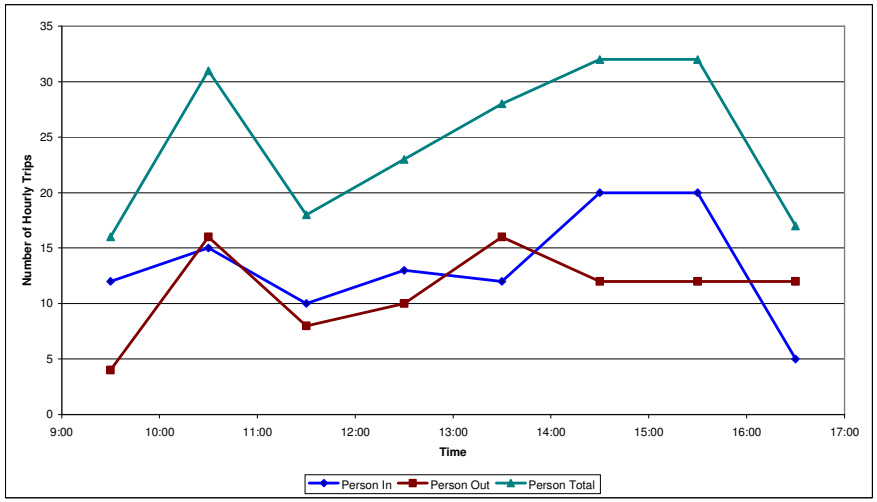

Figure 3-46 BG3 – Survey Results (Thursday) – Person Trips

Table 3-48 BG3 - Survey Results - 15 mins data (Saturday)

BG3			Time: 9:00 to 16:00																					
Date: 14March2009			VEHICLES PARKED ON SITE						START	2	END	9	VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS visitors walk in and out)		VISITOR CARS OUTSIDE
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK	OCCUPANTS	VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS				
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN OUT	IN OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
9:00	to	9:15	2	2	2	2	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	0	0	1
9:15	to	9:30	0	0	0	0	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0
9:30	to	9:45	1	1	2	2	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0
9:45	to	10:00	1	0	2	0	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0
10:00	to	10:15	1	1	2	2	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	1	1	1
10:15	to	10:30	6	4	8	5	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0
10:30	to	10:45	2	2	3	2	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	2	2	1
10:45	to	11:00	1	1	3	3	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	1	1	0
11:00	to	11:15	4	1	5	1	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0
11:15	to	11:30	1	2	1	5	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	1	1	0
11:30	to	11:45	4	1	5	1	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0
11:45	to	12:00	2	2	4	2	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0
12:00	to	12:15	3	5	4	9	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	1	1	0
12:15	to	12:30	5	2	12	3	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0
12:30	to	12:45	4	6	6	12	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0
12:45	to	13:00	6	3	9	5	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0
13:00	to	13:15	4	7	9	11	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0
13:15	to	13:30	4	2	10	7	0	0	0	0	1 0	2 0	0	0	0	0	0	0	0	0	0	0	0
13:30	to	13:45	1	2	2	4	0	0	0	0	0 1	0 2	0	0	0	0	0	0	0	0	0	0	0
13:45	to	14:00	0	1	0	1	1	0	2	0	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0
14:00	to	14:15	0	0	0	0	0	1	0	2	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0
14:15	to	14:30	1	1	1	1	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	1	1	1
14:30	to	14:45	0	0	0	0	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0
14:45	to	15:00	3	0	4	0	1	0	1	0	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0
15:00	to	15:15	0	2	0	3	0	1	0	1	0 0	0 0	0	0	0	0	0	0	0	0	1	1	0
15:15	to	15:30	3	2	6	3	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0
15:30	to	15:45	0	2	0	4	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	0	0	1
15:45	to	16:00	2	2	2	2	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	1	1	0
		Total	61	54	102	90	2	2	3	3	1 1	2 2	0	0	0	0	0	0	0	0	9	9	5
		Peak	6	7	12	12	1	1	2	2	1 1	2 2	0	0	0	0	0	0	0	0	2	2	1

^ Customer Vehicle Data

^ Service Vehicle and Pedestrian Data

Table 3-49 BG3 - Survey Results - hourly data (Saturday)

BG3			Light Vehicle									Heavy Vehicle									All								
Hourly Data			Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)			
TIME			In	Out	Total	2	13	In	Out	Total	Accum.	In	Out	Total	0	1	In	Out	Total	Accum.	In	Out	Total	2	14	In	Out	Total	Accum.
9:00	to	10:00	4	3	7	3	23%	6	4	10	2	0	0	0	0	0%	0	0	0	0	4	3	7	3	21%	6	4	10	2
9:15	to	10:15	3	2	5	3	23%	6	4	10	2	0	0	0	0	0%	0	0	0	0	3	2	5	3	21%	7	5	12	2
9:30	to	10:30	9	6	15	5	38%	14	9	23	5	0	0	0	0	0%	0	0	0	0	9	6	15	5	36%	15	10	25	5
9:45	to	10:45	10	7	17	5	38%	15	9	24	6	0	0	0	0	0%	0	0	0	0	10	7	17	5	36%	18	12	30	6
10:00	to	11:00	10	8	18	5	38%	16	12	28	6	0	0	0	0	0%	0	0	0	0	10	8	18	5	36%	20	16	36	6
10:15	to	11:15	13	8	21	8	62%	19	11	30	10	0	0	0	0	0%	0	0	0	0	13	8	21	8	57%	22	14	36	10
10:30	to	11:30	8	6	14	7	54%	12	11	23	6	0	0	0	0	0%	0	0	0	0	8	6	14	7	50%	16	15	31	6
10:45	to	11:45	10	5	15	10	77%	14	10	24	10	0	0	0	0	0%	0	0	0	0	10	5	15	10	71%	16	12	28	10
11:00	to	12:00	11	6	17	10	77%	15	9	24	12	0	0	0	0	0%	0	0	0	0	11	6	17	10	71%	16	10	26	12
11:15	to	12:15	10	10	20	8	62%	14	17	31	7	0	0	0	0	0%	0	0	0	0	10	10	20	8	57%	16	19	35	7
11:30	to	12:30	14	10	24	11	85%	25	15	40	16	0	0	0	0	0%	0	0	0	0	14	10	24	11	79%	26	16	42	16
11:45	to	12:45	14	15	29	9	69%	26	26	52	10	0	0	0	0	0%	0	0	0	0	14	15	29	9	64%	27	27	54	10
12:00	to	13:00	18	16	34	12	92%	31	29	60	14	0	0	0	0	0%	0	0	0	0	18	16	34	12	86%	32	30	62	14
12:15	to	13:15	19	18	37	9	69%	36	31	67	12	0	0	0	0	0%	0	0	0	0	19	18	37	9	64%	36	31	67	12
12:30	to	13:30	18	18	36	11	85%	34	35	69	15	1	0	1	1	100%	2	0	2	2	19	18	37	12	86%	36	35	71	17
12:45	to	13:45	15	14	29	10	77%	30	27	57	13	1	1	2	0	0%	2	2	4	0	16	15	31	10	71%	32	29	61	13
13:00	to	14:00	10	12	22	10	77%	23	23	46	14	1	1	2	0	0%	2	2	4	0	11	13	24	10	71%	25	25	50	14
13:15	to	14:15	6	6	12	9	69%	14	14	28	12	1	1	2	0	0%	2	2	4	0	7	7	14	9	64%	16	16	32	12
13:30	to	14:30	3	5	8	9	69%	5	8	13	12	0	1	1	0	0%	0	2	2	0	3	6	9	9	64%	6	11	17	12
13:45	to	14:45	2	3	5	9	69%	3	4	7	12	0	0	0	0	0%	0	0	0	0	2	3	5	9	64%	4	5	9	12
14:00	to	15:00	5	2	7	13	100%	6	3	9	17	0	0	0	0	0%	0	0	0	0	5	2	7	13	93%	7	4	11	17
14:15	to	15:15	5	4	9	10	77%	6	5	11	13	0	0	0	0	0%	0	0	0	0	5	4	9	10	71%	8	7	15	13
14:30	to	15:30	7	5	12	11	85%	11	7	18	16	0	0	0	0	0%	0	0	0	0	7	5	12	11	79%	12	8	20	16
14:45	to	15:45	7	7	14	9	69%	11	11	22	12	0	0	0	0	0%	0	0	0	0	7	7	14	9	64%	12	12	24	12
15:00	to	16:00	5	9	14	9	69%	8	13	21	12	0	0	0	0	0%	0	0	0	0	5	9	14	9	64%	10	15	25	12
		Peak	19	18	37	13	100%	36	35	69	17	1	1	2	1	1	2	2	4	2	19	18	37	13	93%	36	35	71	17

* Network peak is highlighted.

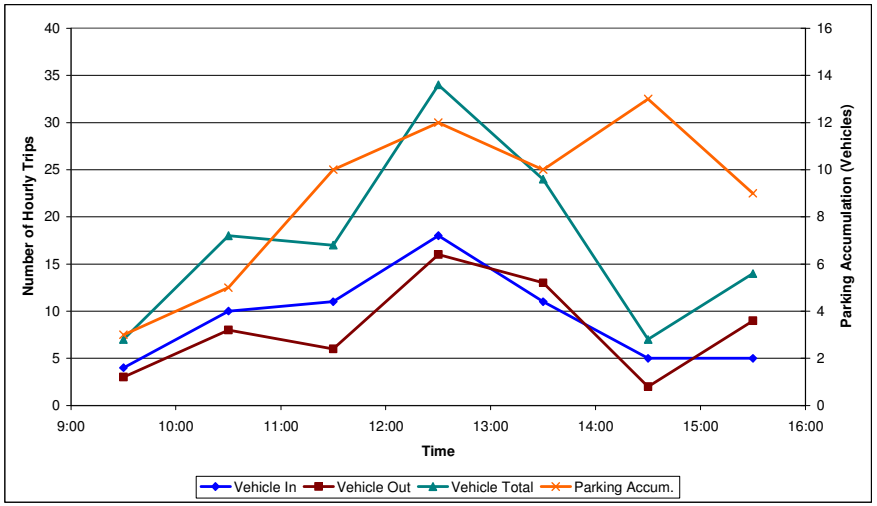

Figure 3-47 BG3 – Survey Results (Saturday) – Vehicle Trips

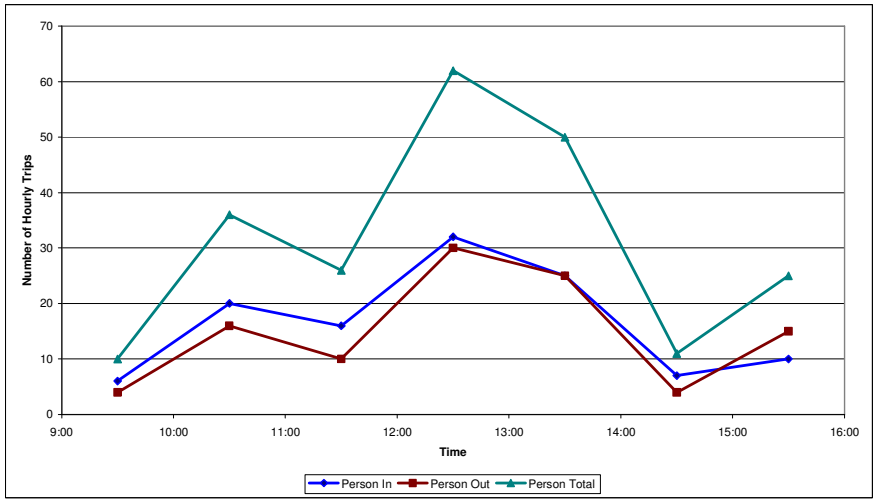

Figure 3-48 BG3 – Survey Results (Saturday) – Person Trips

3.1.13 BG4 – Domayne at Kotara

Table 3-50 BG4 - Survey Results - 15 mins data (Thursday)

BG4			Time: 9:00:00 to 21:00:00																							
Date: 12March2009			VEHICLES PARKED ON SITE						START		20	END		14	VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS visitors walk in and out)		VISITOR CARS OUTSIDE
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS				
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
9:00	to	9:15	4	1	6	4	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	4
9:15	to	9:30	2	5	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4
9:30	to	9:45	6	2	6	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	4
9:45	to	10:00	3	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	4
10:00	to	10:15	4	4	4	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
10:15	to	10:30	5	8	7	8	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4
10:30	to	10:45	14	8	20	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4
10:45	to	11:00	2	6	2	11	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	4
11:00	to	11:15	10	5	13	5	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	4
11:15	to	11:30	11	5	16	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
11:30	to	11:45	10	14	18	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
11:45	to	12:00	11	23	11	25	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	4
12:00	to	12:15	12	18	15	21	3	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4
12:15	to	12:30	6	3	8	3	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
12:30	to	12:45	10	10	13	11	3	4	3	5	1	1	2	2	0	0	0	0	0	0	0	0	3	0	3
12:45	to	13:00	21	18	26	22	2	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3
13:00	to	13:15	13	9	20	13	3	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
13:15	to	13:30	5	8	7	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	3
13:30	to	13:45	11	5	15	7	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	2	2
13:45	to	14:00	11	10	11	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
14:00	to	14:15	13	6	19	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
14:15	to	14:30	6	6	10	8	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
14:30	to	14:45	12	17	17	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
14:45	to	15:00	2	4	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
15:00	to	15:15	7	4	9	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
15:15	to	15:30	11	6	17	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
15:30	to	15:45	7	12	8	15	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
15:45	to	16:00	11	8	14	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
16:00	to	16:15	10	8	14	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
16:15	to	16:30	10	8	14	11	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
16:30	to	16:45	8	8	13	12	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0
16:45	to	17:00	7	9	8	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:00	to	17:15	7	12	11	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
17:15	to	17:30	20	15	26	18	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
17:30	to	17:45	7	10	8	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:45	to	18:00	13	18	22	21	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
18:00	to	18:15	12	8	21	12	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
18:15	to	18:30	8	8	16	12	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	to	18:45	10	11	17	19	1	2	2	3	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0
18:45	to	19:00	5	9	6	13	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	to	19:15	14	7	23	14	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:15	to	19:30	10	9	17	13	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
19:30	to	19:45	7	8	11	12	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
19:45	to	20:00	14	13	22	18	3	1	5	3	1	1	1	1	0	0	0	0	0	0	0	0	2	2	0
20:00	to	20:15	6	16	11	27	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:15	to	20:30	4	4	7	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	to	20:45	5	7	7	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
20:45	to	21:00	2	12	3	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	419	425	603	584	27	27	30	30	4	4	4	4	0	0	0	0	2	2	1	1	31	27	98
		Peak	21	23	26	27	3	4	5	5	1	1	2	2	0	0	0	0	1	1	1	1	4	4	4

< Customer Vehicle Data

< Service Vehicle and Pedestrian Data

Table 3-51 BG4 - Survey Results - hourly data (Thursday)

BG4 Hourly Data			Light Vehicle										Heavy Vehicle										All									
			Vehicle			Parking Accum.	Parking %	Person (Occupants)					Vehicle			Parking Accum.	Parking %	Person (Occupants)					Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)				
TIME			In	Out	Total	20	153	In	Out	Total	Accum.	In	Out	Total	0	1	In	Out	Total	Accum.	In	Out	Total	20	154	In	Out	Total	Accum.			
9:00	to	10:00	15	8	23	27	18%	24	10	34	14	2	2	4	0	0%	1	1	2	0	17	10	27	27	18%	29	13	42	16			
9:15	to	10:15	15	11	26	27	18%	22	17	39	7	1	1	2	0	0%	1	1	2	0	16	12	28	27	18%	27	20	47	9			
9:30	to	10:30	19	14	33	25	16%	27	21	48	7	1	1	2	0	0%	1	1	2	0	20	15	35	25	16%	30	24	54	7			
9:45	to	10:45	27	20	47	31	20%	41	27	68	19	0	0	0	0	0%	0	0	0	0	27	20	47	31	20%	47	29	76	23			
10:00	to	11:00	26	26	52	27	18%	34	38	72	10	1	0	1	1	100%	1	0	1	1	27	26	53	28	18%	39	40	79	15			
10:15	to	11:15	32	27	59	32	21%	43	32	75	18	1	1	2	0	0%	1	1	2	0	33	28	61	32	21%	48	35	83	22			
10:30	to	11:30	37	24	61	38	25%	51	30	81	28	1	1	2	0	0%	1	1	2	0	38	25	63	38	25%	56	31	87	32			
10:45	to	11:45	33	30	63	34	22%	49	42	91	26	1	1	2	0	0%	1	1	2	0	34	31	65	34	22%	50	47	97	26			
11:00	to	12:00	42	47	89	22	14%	58	56	114	12	1	2	3	0	0%	0	1	1	0	43	49	92	22	14%	58	62	120	11			
11:15	to	12:15	47	61	108	18	12%	63	73	136	8	1	1	2	0	0%	0	0	0	0	48	62	110	18	12%	63	80	143	5			
11:30	to	12:30	44	59	103	23	15%	57	70	127	15	1	1	2	0	0%	0	0	0	0	45	60	105	23	15%	57	77	134	12			
11:45	to	12:45	47	59	106	22	14%	55	66	121	15	2	2	4	0	0%	2	2	4	0	49	61	110	22	14%	60	71	131	15			
12:00	to	13:00	59	57	116	24	16%	73	66	139	19	1	1	2	0	0%	2	2	4	0	60	58	118	24	16%	78	72	150	17			
12:15	to	13:15	60	50	110	28	18%	76	58	134	26	1	1	2	0	0%	2	2	4	0	61	51	112	28	18%	81	62	143	24			
12:30	to	13:30	57	55	112	25	16%	73	66	139	22	1	1	2	0	0%	2	2	4	0	58	56	114	25	16%	81	71	152	22			
12:45	to	13:45	55	47	102	30	20%	72	58	130	29	0	0	0	0	0%	0	0	0	0	55	47	102	30	19%	78	63	141	30			
13:00	to	14:00	43	36	79	31	20%	54	45	99	28	0	0	0	0	0%	0	0	0	0	43	36	79	31	20%	60	48	108	29			
13:15	to	14:15	40	30	70	38	25%	52	40	92	38	0	0	0	0	0%	0	0	0	0	40	30	70	38	25%	58	43	101	39			
13:30	to	14:30	41	29	70	37	24%	55	38	93	39	0	0	0	0	0%	0	0	0	0	41	29	70	37	24%	58	40	98	40			
13:45	to	14:45	42	40	82	32	21%	57	55	112	31	0	0	0	0	0%	0	0	0	0	42	40	82	32	21%	57	55	112	32			
14:00	to	15:00	33	34	67	30	20%	48	48	96	28	0	0	0	0	0%	0	0	0	0	33	34	67	30	19%	48	48	96	29			
14:15	to	15:15	27	32	59	33	22%	38	44	82	32	0	0	0	0	0%	0	0	0	0	27	32	59	33	21%	38	44	82	33			
14:30	to	15:30	32	31	63	38	25%	45	45	90	39	0	0	0	0	0%	0	0	0	0	32	31	63	38	25%	46	46	92	40			
14:45	to	15:45	28	27	55	33	22%	37	36	73	32	0	0	0	0	0%	0	0	0	0	28	27	55	33	21%	38	37	75	33			
15:00	to	16:00	37	31	68	36	24%	49	40	89	37	0	0	0	0	0%	0	0	0	0	37	31	68	36	23%	50	41	91	38			
15:15	to	16:15	40	35	75	38	25%	54	46	100	40	0	0	0	0	0%	0	0	0	0	40	35	75	38	25%	55	47	102	41			
15:30	to	16:30	40	37	77	41	27%	52	47	99	44	0	0	0	0	0%	0	0	0	0	40	37	77	41	27%	52	47	99	45			
15:45	to	16:45	40	33	73	40	26%	56	45	101	43	0	0	0	0	0%	0	0	0	0	40	33	73	40	26%	60	45	105	48			
16:00	to	17:00	36	34	70	38	25%	50	50	100	37	0	0	0	0	0%	0	0	0	0	36	34	70	38	25%	54	50	104	42			
16:15	to	17:15	33	38	71	33	22%	47	51	98	36	0	0	0	0	0%	0	0	0	0	33	38	71	33	21%	51	51	102	41			
16:30	to	17:30	42	46	88	37	24%	58	59	117	43	0	0	0	0	0%	0	0	0	0	42	46	88	37	24%	62	63	125	44			
16:45	to	17:45	41	47	88	34	22%	53	59	112	37	0	0	0	0	0%	0	0	0	0	41	47	88	34	22%	53	63	116	38			
17:00	to	18:00	49	58	107	29	19%	69	68	137	38	0	0	0	0	0%	0	0	0	0	49	58	107	29	19%	70	72	142	40			
17:15	to	18:15	55	55	110	33	22%	81	69	150	48	0	0	0	0	0%	0	0	0	0	55	55	110	33	21%	83	73	156	51			
17:30	to	18:30	43	48	91	32	21%	71	64	135	50	0	0	0	0	0%	0	0	0	0	43	48	91	32	21%	73	64	137	53			
17:45	to	18:45	47	51	98	30	20%	82	72	154	47	0	0	0	0	0%	0	0	0	0	47	51	98	30	19%	86	73	159	51			
18:00	to	19:00	39	40	79	28	18%	66	62	128	42	0	0	0	0	0%	0	0	0	0	39	40	79	28	18%	69	63	132	46			
18:15	to	19:15	41	38	79	36	24%	67	63	130	52	0	0	0	0	0%	0	0	0	0	41	38	79	36	23%	69	64	133	56			
18:30	to	19:30	43	39	82	36	24%	68	62	130	56	0	0	0	0	0%	0	0	0	0	43	39	82	36	23%	72	63	135	62			
18:45	to	19:45	40	35	75	35	23%	61	53	114	55	0	0	0	0	0%	0	0	0	0	40	35	75	35	23%	64	53	117	62			
19:00	to	20:00	50	40	90	38	25%	80	61	141	61	1	1	2	0	0%	1	1	2	0	51	41	92	38	25%	86	64	150	68			
19:15	to	20:15	41	51	92	26	17%	67	76	143	43	1	1	2	0	0%	1	1	2	0	42	52	94	26	17%	73	79	152	50			
19:30	to	20:30	35	45	80	26	17%	57	71	128	42	1	1	2	0	0%	1	1	2	0	36	46	82	26	17%	61	74	135	49			
19:45	to	20:45	32	43	75	24	16%	52	69	121	38	1	1	2	0	0%	1	1	2	0	33	44	77	24	16%	55	75	130	42			
20:00	to	21:00	17	41	58	14	9%	28	70	98	19	0	0	0	0	0%	0	0	0	0	17	41	58	14	9%	28	73	101	23			
Peak			60	61	116	41	27%	82	76	154	61	2	2	4	1	1	2	2	4	1	61	62	118	41	27%	86	80	159	68			

* PM network peak is highlighted.

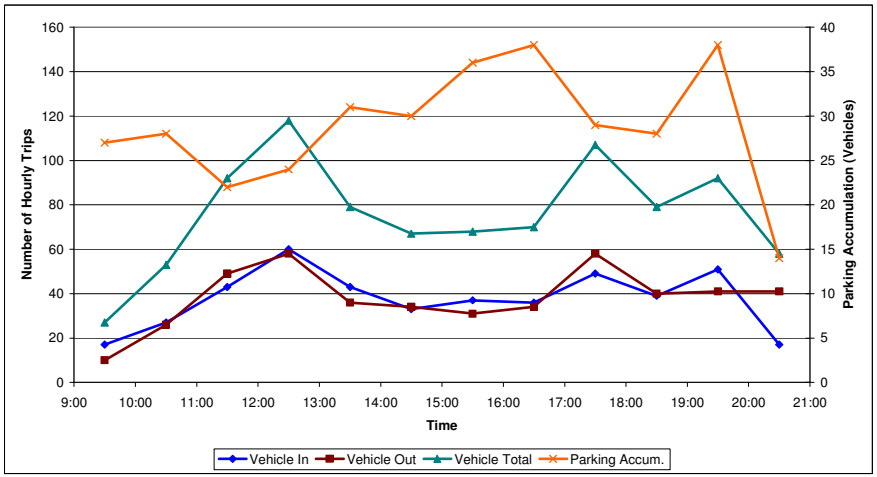

Figure 3-49 BG4 – Survey Results (Thursday) – Vehicle Trips

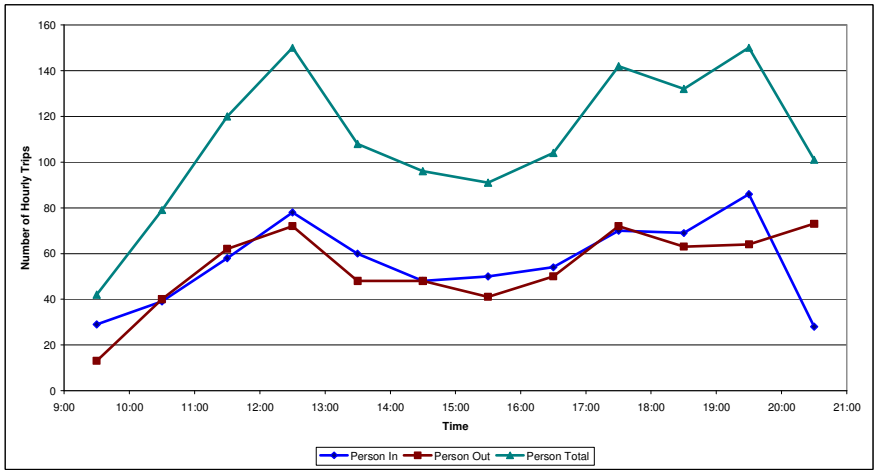

Figure 3-50 BG4 – Survey Results (Thursday) – Person Trips

Table 3-52 BG4 - Survey Results - 15 mins data (Saturday)

BG4			Time: 9:00:00 to 17:00:00											
Date:14March2009			VEHICLES PARKED ON SITE					START	4	END	8			
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS	
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
9:00	to	9:15	6	1	6	1	2	0	2	0	0	0	0	0
9:15	to	9:30	5	4	5	4	0	0	0	0	0	0	0	0
9:30	to	9:45	4	6	4	6	0	1	0	1	0	0	0	0
9:45	to	10:00	8	7	14	15	1	0	2	0	0	0	0	0
10:00	to	10:15	11	5	15	7	0	1	0	2	0	0	0	0
10:15	to	10:30	17	8	26	10	1	0	2	0	0	0	0	0
10:30	to	10:45	10	11	17	17	3	1	5	2	0	0	0	0
10:45	to	11:00	13	10	25	17	0	1	0	2	0	0	0	0
11:00	to	11:15	14	15	25	29	0	2	0	3	0	0	0	0
11:15	to	11:30	13	11	22	20	2	0	3	0	0	0	0	0
11:30	to	11:45	13	14	26	26	1	0	3	0	0	0	0	0
11:45	to	12:00	19	14	33	22	1	1	2	2	0	0	0	0
12:00	to	12:15	19	12	32	25	2	2	2	3	0	0	0	0
12:15	to	12:30	19	20	32	32	2	3	2	5	0	0	0	0
12:30	to	12:45	23	28	45	57	0	1	0	1	0	0	0	0
12:45	to	13:00	17	20	30	25	1	1	2	2	0	0	0	0
13:00	to	13:15	26	26	49	45	2	0	2	0	0	0	0	0
13:15	to	13:30	30	18	50	36	0	0	0	0	0	0	0	0
13:30	to	13:45	23	31	35	52	4	1	7	2	0	0	0	0
13:45	to	14:00	20	18	39	32	2	4	2	6	0	0	0	0
14:00	to	14:15	27	16	44	28	0	3	0	6	0	0	0	0
14:15	to	14:30	20	29	31	56	3	0	5	0	0	0	0	0
14:30	to	14:45	21	22	36	44	1	1	2	2	0	0	0	0
14:45	to	15:00	25	21	42	35	1	3	2	7	0	0	0	0
15:00	to	15:15	24	21	52	43	0	2	0	4	0	0	0	0
15:15	to	15:30	28	21	45	39	1	1	2	2	0	0	0	0
15:30	to	15:45	20	29	31	56	1	1	1	2	1	0	1	0
15:45	to	16:00	12	18	25	29	0	1	0	2	0	0	0	0
16:00	to	16:15	14	22	23	32	1	0	1	0	0	0	0	0
16:15	to	16:30	10	12	15	23	1	2	2	2	0	1	0	1
16:30	to	16:45	3	11	9	18	0	0	0	0	0	0	0	0
16:45	to	17:00	5	14	7	19	1	1	2	2	0	0	0	0
		Total	519	515	890	900	34	34	53	60	1	1	1	1
		Peak	30	31	52	57	4	4	7	7	1	1	1	1

< Customer Vehicle Data <

VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS visitors walk in and out)		VISITOR CARS OUTSIDE
VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS				
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0	0	0	0	0	0	0	0	2	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	0	0	0	1	2	0
0	0	0	0	0	0	0	0	2	1	0
0	0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	0	0	4	3	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	2	1	0
0	0	0	0	0	0	0	0	2	0	0
0	0	0	0	0	0	0	0	0	2	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	1	0
0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	3	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	5	0	0
0	0	0	0	0	0	0	0	0	3	0
0	0	0	0	0	0	0	0	2	0	0
0	0	0	0	0	0	0	0	1	2	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	28	17	0
0	0	0	0	0	0	0	0	5	3	0

< Service Vehicle and Pedestrian Data <

Table 3-53 BG4 - Survey Results - hourly data (Saturday)

BG4			Light Vehicle									Heavy Vehicle									All							
Hourly Data			Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)			
TIME			In	Out	Total	4	153	In	Out	Total	Accum.	In	Out	Total	0	1	In	Out	Total	Accum.	In	Out	Total	4	154	In	Out	Total	Accum.
9:00	to	10:00	26	19	45	11	7%	33	27	60	6	0	0	0	0	0%	0	0	0	0	26	19	45	11	7%	36	30	66	6
9:15	to	10:15	29	24	53	16	10%	40	35	75	12	0	0	0	0	0%	0	0	0	0	29	24	53	16	10%	43	39	82	13
9:30	to	10:30	42	28	70	26	17%	63	41	104	30	0	0	0	0	0%	0	0	0	0	42	28	70	26	17%	66	46	112	30
9:45	to	10:45	51	33	84	27	18%	81	53	134	33	0	0	0	0	0%	0	0	0	0	51	33	84	27	18%	84	57	141	33
10:00	to	11:00	55	37	92	29	19%	90	57	147	39	0	0	0	0	0%	0	0	0	0	55	37	92	29	19%	92	59	151	39
10:15	to	11:15	58	48	106	26	17%	100	80	180	32	0	0	0	0	0%	0	0	0	0	58	48	106	26	17%	100	81	181	32
10:30	to	11:30	55	51	106	30	20%	97	90	187	37	0	0	0	0	0%	0	0	0	0	55	51	106	30	19%	98	90	188	38
10:45	to	11:45	56	53	109	30	20%	104	97	201	40	0	0	0	0	0%	0	0	0	0	56	53	109	30	19%	106	97	203	42
11:00	to	12:00	63	57	120	35	23%	114	102	216	51	0	0	0	0	0%	0	0	0	0	63	57	120	35	23%	120	105	225	54
11:15	to	12:15	70	54	124	42	27%	123	98	221	57	0	0	0	0	0%	0	0	0	0	70	54	124	42	27%	129	101	230	60
11:30	to	12:30	76	66	142	40	26%	132	115	247	54	0	0	0	0	0%	0	0	0	0	76	66	142	40	26%	139	119	258	58
11:45	to	12:45	85	81	166	34	22%	148	147	295	41	0	0	0	0	0%	0	0	0	0	85	81	166	34	22%	156	151	307	47
12:00	to	13:00	83	87	170	31	20%	145	150	295	46	0	0	0	0	0%	0	0	0	0	83	87	170	31	20%	149	153	302	50
12:15	to	13:15	90	99	189	33	22%	162	167	329	52	0	0	0	0	0%	0	0	0	0	90	99	189	33	21%	166	170	336	56
12:30	to	13:30	99	94	193	45	29%	178	166	344	66	0	0	0	0	0%	0	0	0	0	99	94	193	45	29%	180	168	348	70
12:45	to	13:45	103	97	200	40	26%	175	162	337	54	0	0	0	0	0%	0	0	0	0	103	97	200	40	26%	176	165	341	58
13:00	to	14:00	107	98	205	40	26%	184	173	357	57	0	0	0	0	0%	0	0	0	0	107	98	205	40	26%	186	174	360	62
13:15	to	14:15	106	91	197	48	31%	177	162	339	67	0	0	0	0	0%	0	0	0	0	106	91	197	48	31%	179	163	342	72
13:30	to	14:30	99	102	201	42	27%	163	182	345	47	0	0	0	0	0%	0	0	0	0	99	102	201	42	27%	168	183	351	55
13:45	to	14:45	94	93	187	41	27%	159	174	333	39	0	0	0	0	0%	0	0	0	0	94	93	187	41	27%	163	174	337	47
14:00	to	15:00	98	95	193	43	28%	162	178	340	41	0	0	0	0	0%	0	0	0	0	98	95	193	43	28%	170	178	348	54
14:15	to	15:15	95	99	194	44	29%	170	191	361	46	0	0	0	0	0%	0	0	0	0	95	99	194	44	29%	178	194	372	56
14:30	to	15:30	101	92	193	51	33%	181	176	357	52	0	0	0	0	0%	0	0	0	0	101	92	193	51	33%	188	179	367	64
14:45	to	15:45	100	99	199	42	27%	175	188	363	26	1	0	1	1	100%	1	0	1	1	101	99	200	43	28%	184	193	377	38
15:00	to	16:00	86	94	180	35	23%	156	177	333	20	1	0	1	1	100%	1	0	1	1	87	94	181	36	23%	160	182	342	32
15:15	to	16:15	77	93	170	28	18%	128	162	290	12	1	0	1	1	100%	1	0	1	1	78	93	171	29	19%	132	164	296	24
15:30	to	16:30	59	85	144	25	16%	98	146	244	4	1	1	2	0	0%	1	1	2	0	60	86	146	25	16%	100	149	249	15
15:45	to	16:45	41	66	107	17	11%	75	106	181	-5	0	1	1	0	0%	0	1	1	0	41	67	108	17	11%	75	107	182	6
16:00	to	17:00	35	62	97	8	5%	59	96	155	-17	0	1	1	0	0%	0	1	1	0	35	63	98	8	5%	59	97	156	-6
Peak			107	102	205	51	33%	184	191	363	67	1	1	2	1	1	1	1	2	1	107	102	205	51	33%	188	194	377	72

* Network peak is highlighted.

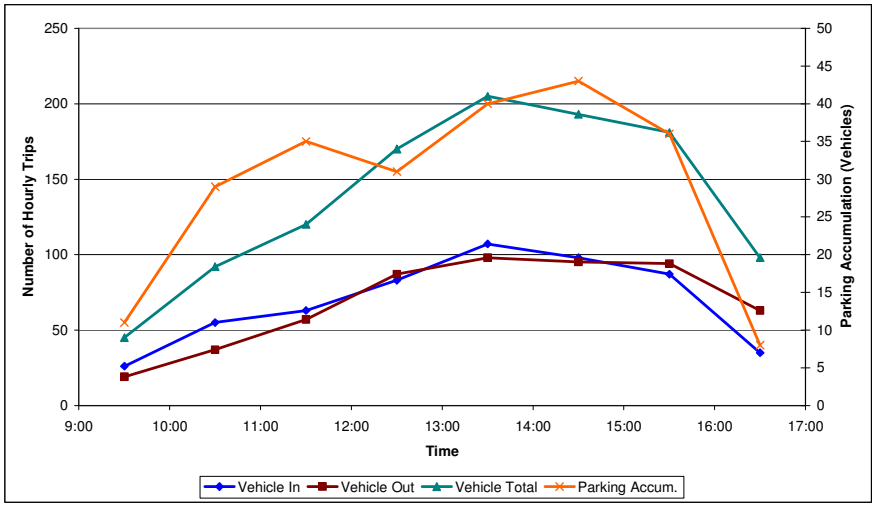

Figure 3-51 BG4 – Survey Results (Saturday) – Vehicle Trips

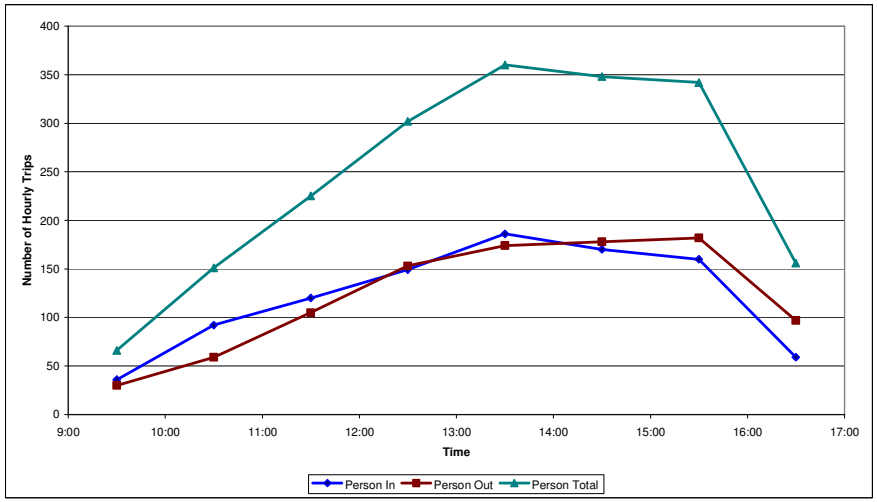

Figure 3-52 BG4 – Survey Results (Saturday) – Person Trips

3.1.14 BG5 – Bing Lee at Warilla

Table 3-54 BG5 - Survey Results - 15 mins data (Thursday)

BG5			Time:9:00 to 19:00																							
DATE 19 MAR 09			VEHICLES PARKED ON SITE						START		13	END		14		VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS visitors walk in and out)		VISITOR CARS OUTSIDE
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS			VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS				
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
9:00	to	9:15	2	1	4	2	0	0	0	0	0	0	0	0		0	0	0	0	1	0	1	0	1	0	0
9:15	to	9:30	3	3	5	3	0	0	0	0	1	0	1	0		1	0	1	0	1	2	1	2	2	3	0
9:30	to	9:45	2	2	4	2	0	0	0	0	0	0	0	0		0	1	0	1	0	0	0	0	0	0	0
9:45	to	10:00	1	3	1	6	1	0	1	0	0	0	0	0		0	0	0	0	1	1	2	2	1	0	0
10:00	to	10:15	3	1	6	1	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	1	1	0
10:15	to	10:30	4	3	4	5	0	1	0	1	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
10:30	to	10:45	9	4	11	6	1	0	1	0	0	0	0	0		0	0	0	0	0	0	0	0	3	0	0
10:45	to	11:00	7	6	12	7	0	0	0	0	0	0	0	0		0	0	0	0	1	0	1	0	3	3	0
11:00	to	11:15	6	7	10	10	0	0	0	0	1	0	1	0		0	0	0	0	1	2	1	2	0	3	0
11:15	to	11:30	2	6	2	11	0	1	0	1	0	1	0	1		2	0	2	0	0	0	0	0	0	3	0
11:30	to	11:45	2	2	4	3	2	0	2	0	0	0	0	0		0	2	0	2	0	0	0	0	2	0	0
11:45	to	12:00	5	5	7	7	0	2	0	2	0	0	0	0		0	0	0	0	1	1	1	1	0	1	0
12:00	to	12:15	4	5	6	9	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	3	3	0
12:15	to	12:30	6	3	9	4	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
12:30	to	12:45	1	3	2	5	0	0	0	0	0	0	0	0		0	0	0	0	2	0	2	0	0	0	0
12:45	to	13:00	4	3	7	7	1	0	1	0	0	1	0	1		0	0	0	0	0	1	0	1	0	0	0
13:00	to	13:15	4	4	9	8	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	2	0	0
13:15	to	13:30	3	5	5	8	1	1	2	1	0	0	0	0		0	0	0	0	0	0	0	0	0	2	0
13:30	to	13:45	2	2	2	4	1	1	1	1	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
13:45	to	14:00	5	4	7	4	0	1	0	2	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
14:00	to	14:15	3	3	5	6	0	0	0	0	2	1	2	1		0	0	0	0	0	0	0	0	1	0	0
14:15	to	14:30	0	3	0	4	0	0	0	0	0	1	0	1		0	0	0	0	1	0	1	0	0	1	0
14:30	to	14:45	6	0	8	0	0	0	0	0	0	0	0	0		0	0	0	0	0	1	0	1	3	3	0
14:45	to	15:00	6	5	13	5	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	1	0	0
15:00	to	15:15	2	6	2	10	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	5	1	0
15:15	to	15:30	2	3	2	7	1	1	1	1	0	0	0	0		0	0	0	0	0	0	0	0	3	4	0
15:30	to	15:45	7	2	9	3	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
15:45	to	16:00	0	3	0	4	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	3	0	0
16:00	to	16:15	2	3	7	4	1	0	2	0	0	0	0	0		0	0	0	0	1	0	1	0	4	1	0
16:15	to	16:30	6	5	8	10	0	1	0	2	0	0	0	0		0	0	0	0	0	0	0	0	0	3	0
16:30	to	16:45	2	3	2	5	1	0	1	0	0	0	0	0		0	0	0	0	0	1	0	1	5	0	0
16:45	to	17:00	1	2	3	4	2	1	2	1	0	0	0	0		0	0	0	0	0	0	0	0	2	3	0
17:00	to	17:15	6	0	7	0	0	1	0	1	0	0	0	0		0	0	0	0	0	0	0	0	1	4	0
17:15	to	17:30	2	7	3	11	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	1	0
17:30	to	17:45	5	4	7	4	0	1	0	1	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
17:45	to	18:00	2	7	4	9	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	1	0
18:00	to	18:15	4	4	6	5	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
18:15	to	18:30	7	1	11	2	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
18:30	to	18:45	4	5	6	10	0	0	0	0	0	0	0	0		0	0	0	0	1	0	1	0	0	1	0
18:45	to	19:00	3	6	3	8	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	1	0	0
		Total	145	144	223	223	12	12	14	14	4	4	4	4		3	3	3	3	11	9	12	10	47	42	0
		Peak	9	7	13	11	2	2	2	2	2	1	2	1		2	2	2	2	2	2	2	2	5	4	0

< Customer Vehicle Data

< Service Vehicle and Pedestrian Data

Table 3-55 BG5 - Survey Results - hourly data (Thursday)

BG5			Light Vehicle									Heavy Vehicle									All								
Hourly Data			Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)			
TIME			In	Out	Total	13	88	In	Out	Total	Accum.	In	Out	Total	0	4	In	Out	Total	Accum.	In	Out	Total	13	92	In	Out	Total	Accum.
9:00	to	10:00	10	10	20	13	15%	16	14	30	2	4	3	7	1	25%	5	4	9	1	14	13	27	14	15%	25	21	46	4
9:15	to	10:15	11	10	21	15	17%	18	13	31	7	3	3	6	1	25%	4	4	8	1	14	13	27	16	17%	26	21	47	9
9:30	to	10:30	11	11	22	15	17%	16	16	32	5	1	1	2	1	25%	2	2	4	1	12	12	24	16	17%	20	19	39	7
9:45	to	10:45	19	12	31	21	24%	24	19	43	11	1	1	2	1	25%	2	2	4	1	20	13	33	22	24%	31	22	53	16
10:00	to	11:00	24	15	39	22	25%	34	20	54	16	1	0	1	2	50%	1	0	1	2	25	15	40	24	26%	42	24	66	22
10:15	to	11:15	27	21	48	21	24%	38	29	67	16	3	2	5	2	50%	3	2	5	2	30	23	53	23	25%	47	37	84	19
10:30	to	11:30	27	24	51	18	20%	38	35	73	8	3	3	6	1	25%	3	3	6	1	30	27	57	19	21%	47	47	94	7
10:45	to	11:45	21	24	45	18	20%	32	34	66	9	3	3	6	1	25%	3	3	6	1	24	27	51	19	21%	40	46	86	10
11:00	to	12:00	19	25	44	16	18%	27	36	63	7	3	4	7	1	25%	3	4	7	1	22	29	51	17	18%	32	47	79	7
11:15	to	12:15	17	23	40	15	17%	23	35	58	4	1	2	3	1	25%	1	2	3	1	18	25	43	16	17%	29	44	73	4
11:30	to	12:30	19	19	38	18	20%	28	27	55	9	1	1	2	1	25%	1	1	2	1	20	20	40	19	21%	34	32	66	9
11:45	to	12:45	16	18	34	16	18%	24	27	51	6	3	1	4	3	75%	3	1	4	3	19	19	38	19	21%	30	32	62	8
12:00	to	13:00	16	14	30	18	20%	25	25	50	7	2	2	4	1	25%	2	2	4	1	18	16	34	19	21%	30	30	60	7
12:15	to	13:15	16	13	29	18	20%	28	24	52	8	2	2	4	1	25%	2	2	4	1	18	15	33	19	21%	32	26	58	10
12:30	to	13:30	14	16	30	16	18%	26	29	55	6	2	2	4	1	25%	2	2	4	1	16	18	34	17	18%	30	33	63	6
12:45	to	13:45	16	16	32	16	18%	27	29	56	4	0	2	2	1	25%	0	2	2	1	16	18	34	17	18%	29	33	62	4
13:00	to	14:00	16	18	34	16	18%	26	28	54	5	0	0	0	1	25%	0	0	0	1	16	18	34	17	18%	28	30	58	5
13:15	to	14:15	15	17	32	16	18%	22	26	48	4	2	1	3	2	50%	2	1	3	2	17	18	35	18	20%	25	29	54	6
13:30	to	14:30	11	14	25	13	15%	15	21	36	0	3	2	5	2	50%	3	2	5	2	14	16	30	15	16%	19	24	43	1
13:45	to	14:45	14	11	25	19	22%	20	16	36	8	3	3	6	1	25%	3	3	6	1	17	14	31	20	22%	27	23	50	8
14:00	to	15:00	15	11	26	20	23%	26	15	41	16	3	3	6	1	25%	3	3	6	1	18	14	32	21	23%	34	22	56	17
14:15	to	15:15	14	14	28	16	18%	23	19	42	8	1	2	3	1	25%	1	2	3	1	15	16	31	17	18%	33	26	59	13
14:30	to	15:30	17	15	32	15	17%	26	23	49	3	0	1	1	1	25%	0	1	1	1	17	16	33	16	17%	38	32	70	7
14:45	to	15:45	18	17	35	20	23%	27	26	53	9	0	0	0	1	25%	0	0	0	1	18	17	35	21	23%	36	31	67	13
15:00	to	16:00	12	15	27	17	19%	14	25	39	5	0	0	0	1	25%	0	0	0	1	12	15	27	18	20%	25	30	55	12
15:15	to	16:15	13	12	25	17	19%	21	19	40	10	1	0	1	2	50%	1	0	1	2	14	12	26	19	21%	32	24	56	21
15:30	to	16:30	16	14	30	17	19%	26	23	49	6	1	0	1	2	50%	1	0	1	2	17	14	31	19	21%	34	27	61	14
15:45	to	16:45	12	15	27	17	19%	20	25	45	4	1	1	2	1	25%	1	1	2	1	13	16	29	18	20%	33	30	63	16
16:00	to	17:00	15	15	30	17	19%	25	26	51	4	1	1	2	1	25%	1	1	2	1	16	16	32	18	20%	37	34	71	15
16:15	to	17:15	18	13	31	22	25%	23	23	46	10	0	1	1	1	25%	0	1	1	1	18	14	32	23	25%	31	34	65	18
16:30	to	17:30	14	14	28	17	19%	18	22	40	2	0	1	1	1	25%	0	1	1	1	14	15	29	18	20%	26	31	57	9
16:45	to	17:45	16	16	32	17	19%	22	22	44	4	0	0	0	1	25%	0	0	0	1	16	16	32	18	20%	25	30	55	11
17:00	to	18:00	15	20	35	12	14%	21	26	47	-1	0	0	0	1	25%	0	0	0	1	15	20	35	13	14%	22	32	54	5
17:15	to	18:15	13	23	36	12	14%	20	30	50	0	0	0	0	1	25%	0	0	0	1	13	23	36	13	14%	20	32	52	6
17:30	to	18:30	18	17	35	18	20%	28	21	49	9	0	0	0	1	25%	0	0	0	1	18	17	35	19	21%	28	22	50	15
17:45	to	18:45	17	17	34	17	19%	27	26	53	5	1	0	1	2	50%	1	0	1	2	18	17	35	19	21%	28	28	56	11
18:00	to	19:00	18	16	34	14	16%	26	25	51	0	1	0	1	2	50%	1	0	1	2	19	16	35	16	17%	28	26	54	7
		Peak	27	25	51	22	25%	38	36	73	16	4	4	7	3	0.75	5	4	9	3	30	29	57	24	26%	47	47	94	22

* PM network peak is highlighted.

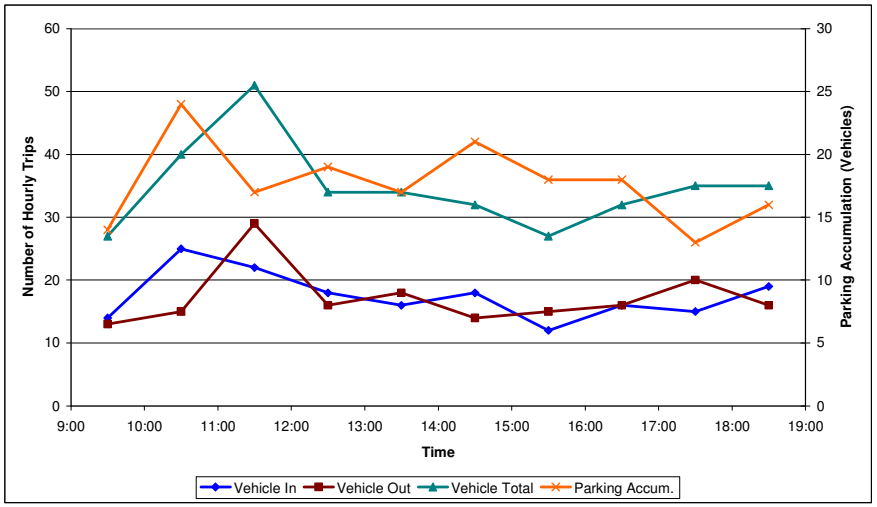

Figure 3-53 BG5 – Survey Results (Thursday) – Vehicle Trips

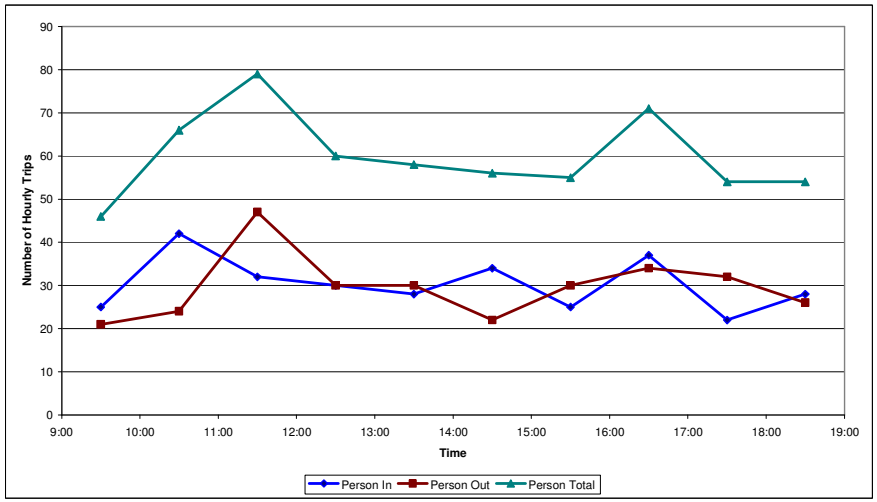

Figure 3-54 BG5 – Survey Results (Thursday) – Person Trips

Table 3-56 BG5 - Survey Results - 15 mins data (Saturday)

BG5			Time:9:00 to 17:00																						
DATE 21 MAR 09			VEHICLES PARKED ON SITE						START	12	END	10	VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS		VISITOR CARS
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		visitors walk in and out)		OUTSIDE
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
9:00	to	9:15	5	1	9	2	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
9:15	to	9:30	3	3	5	3	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
9:30	to	9:45	10	2	15	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45	to	10:00	2	6	2	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
10:00	to	10:15	2	7	3	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
10:15	to	10:30	3	3	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0
10:30	to	10:45	14	6	27	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0
10:45	to	11:00	9	11	14	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	0
11:00	to	11:15	4	4	6	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0
11:15	to	11:30	3	9	4	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
11:30	to	11:45	8	6	12	7	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	2	0	0
11:45	to	12:00	7	4	18	4	1	0	2	0	0	0	0	0	0	0	0	0	1	0	1	0	7	6	0
12:00	to	12:15	6	5	12	12	0	0	0	0	0	1	0	2	0	0	0	0	0	1	0	1	0	9	0
12:15	to	12:30	9	6	17	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	3	0
12:30	to	12:45	8	7	16	13	1	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	3	4	0
12:45	to	13:00	7	13	13	30	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0
13:00	to	13:15	8	5	17	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
13:15	to	13:30	7	5	10	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
13:30	to	13:45	4	8	12	16	3	0	5	0	0	0	0	0	1	1	1	1	0	0	0	0	2	0	0
13:45	to	14:00	9	8	18	18	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
14:00	to	14:15	5	6	9	11	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
14:15	to	14:30	8	6	14	9	2	1	4	2	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0
14:30	to	14:45	9	6	20	15	2	1	3	2	0	1	0	2	0	0	0	0	0	0	0	0	1	3	0
14:45	to	15:00	5	8	9	16	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
15:00	to	15:15	7	9	14	17	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
15:15	to	15:30	8	6	16	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
15:30	to	15:45	6	11	10	19	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
15:45	to	16:00	3	5	4	10	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0
16:00	to	16:15	1	4	2	5	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
16:15	to	16:30	3	1	5	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30	to	16:45	2	2	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45	to	17:00	1	5	1	7	1	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	186	188	342	345	13	13	21	21	2	2	4	4	2	2	2	2	1	1	1	1	57	50	0
		Peak	14	13	27	30	3	2	5	3	1	1	2	2	1	1	1	1	1	1	1	1	10	9	0

^ Customer Vehicle Data

^ Service Vehicle and Pedestrian Data

Table 3-57 BG5- Survey Results - hourly data (Saturday)

BG5			Light Vehicle									Heavy Vehicle									All							
Hourly Data			Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)			
TIME			In	Out	Total	12	88	In	Out	Total	Accum.	In	Out	Total	0	4	In	Out	Total	Accum.	In	Out	Total	12	92	In	Out	Total	Accum.
9:00	to	10:00	21	13	34	20	23%	32	21	53	11	0	0	0	0	0%	0	0	0	0	21	13	34	20	22%	33	23	56	10
9:15	to	10:15	17	19	36	15	17%	25	28	53	5	0	0	0	0	0%	0	0	0	0	17	19	36	15	16%	28	30	58	6
9:30	to	10:30	17	18	35	15	17%	25	29	54	5	0	0	0	0	0%	0	0	0	0	17	18	35	15	16%	31	32	63	8
9:45	to	10:45	21	22	43	23	26%	37	36	73	22	0	0	0	0	0%	0	0	0	0	21	22	43	23	25%	46	41	87	26
10:00	to	11:00	28	27	55	21	24%	49	45	94	15	0	0	0	0	0%	0	0	0	0	28	27	55	21	23%	61	50	111	21
10:15	to	11:15	30	24	54	21	24%	52	43	95	14	0	0	0	0	0%	0	0	0	0	30	24	54	21	23%	63	51	114	18
10:30	to	11:30	30	30	60	15	17%	51	55	106	1	0	0	0	0	0%	0	0	0	0	30	30	60	15	16%	59	63	122	4
10:45	to	11:45	24	30	54	17	19%	36	52	88	6	1	0	1	1	25%	2	0	2	2	25	30	55	18	20%	45	58	103	13
11:00	to	12:00	23	23	46	21	24%	42	35	77	22	2	0	2	2	50%	3	0	3	3	25	23	48	23	25%	55	45	100	31
11:15	to	12:15	25	24	49	22	25%	48	40	88	22	2	2	4	0	0%	3	3	6	0	27	26	53	22	24%	60	59	119	19
11:30	to	12:30	31	21	52	25	28%	61	37	98	25	2	2	4	0	0%	3	3	6	0	33	23	56	25	27%	83	58	141	29
11:45	to	12:45	32	23	55	26	30%	67	45	112	28	1	2	3	0	0%	1	3	4	0	33	25	58	26	28%	88	70	158	31
12:00	to	13:00	31	33	64	19	22%	60	73	133	9	0	2	2	0	0%	0	3	3	0	31	35	66	19	21%	78	92	170	17
12:15	to	13:15	33	33	66	22	25%	65	69	134	18	0	0	0	0	0%	0	0	0	0	33	33	66	22	24%	83	80	163	22
12:30	to	13:30	31	32	63	24	27%	58	66	124	17	0	0	0	0	0%	0	0	0	0	31	32	63	24	26%	69	74	143	24
12:45	to	13:45	30	33	63	23	26%	58	68	126	18	0	0	0	0	0%	0	0	0	0	30	33	63	23	25%	68	72	140	27
13:00	to	14:00	32	29	61	22	25%	63	57	120	15	0	0	0	0	0%	0	0	0	0	32	29	61	22	24%	69	63	132	23
13:15	to	14:15	29	31	60	20	23%	55	62	117	11	0	0	0	0	0%	0	0	0	0	29	31	60	20	22%	62	64	126	20
13:30	to	14:30	32	33	65	23	26%	63	62	125	18	1	0	1	1	25%	2	0	2	2	33	33	66	24	26%	69	64	133	29
13:45	to	14:45	35	31	66	27	31%	68	62	130	24	1	1	2	0	0%	2	2	4	0	36	32	68	27	29%	73	69	142	31
14:00	to	15:00	31	30	61	23	26%	59	58	117	16	1	1	2	0	0%	2	2	4	0	32	31	63	23	25%	64	63	127	24
14:15	to	15:15	33	33	66	20	23%	64	63	127	12	1	1	2	0	0%	2	2	4	0	34	34	68	20	22%	69	70	139	19
14:30	to	15:30	31	32	63	22	25%	62	62	124	18	0	1	1	0	0%	0	2	2	0	31	33	64	22	24%	67	69	136	27
14:45	to	15:45	27	36	63	18	20%	50	64	114	10	0	0	0	0	0%	0	0	0	0	27	36	63	18	20%	55	67	122	19
15:00	to	16:00	26	33	59	16	18%	46	59	105	3	0	0	0	0	0%	0	0	0	0	26	33	59	16	17%	53	64	117	13
15:15	to	16:15	20	28	48	12	14%	34	47	81	-1	0	0	0	0	0%	0	0	0	0	20	28	48	12	13%	40	53	93	6
15:30	to	16:30	16	23	39	15	17%	25	38	63	5	0	0	0	0	0%	0	0	0	0	16	23	39	15	16%	29	44	73	12
15:45	to	16:45	11	14	25	15	17%	17	22	39	5	0	0	0	0	0%	0	0	0	0	11	14	25	15	16%	20	27	47	12
16:00	to	17:00	9	15	24	10	11%	14	20	34	-3	0	0	0	0	0%	0	0	0	0	9	15	24	10	11%	14	23	37	4
Peak			35	36	66	27	31%	68	73	134	28	2	2	4	2	0.5	3	3	6	3	36	36	68	27	29%	88	92	170	31

* Network peak is highlighted.

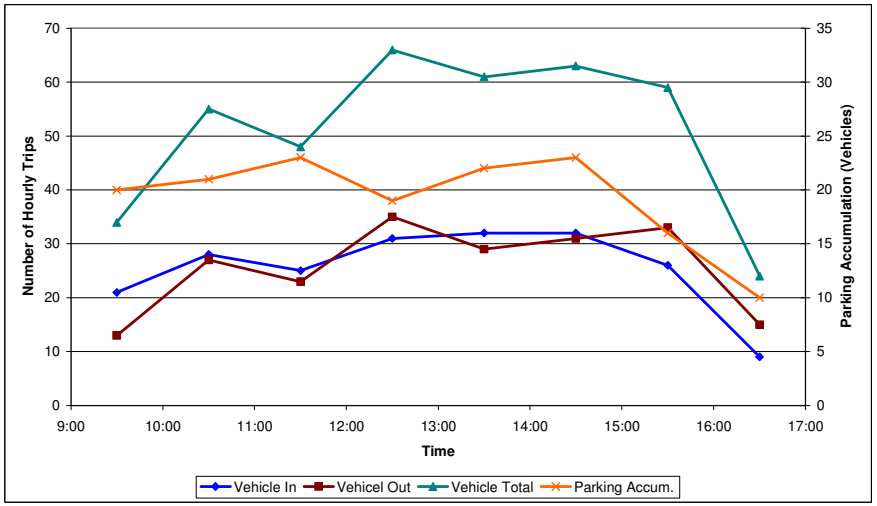

Figure 3-55 BG5 – Survey Results (Saturday) – Vehicle Trips

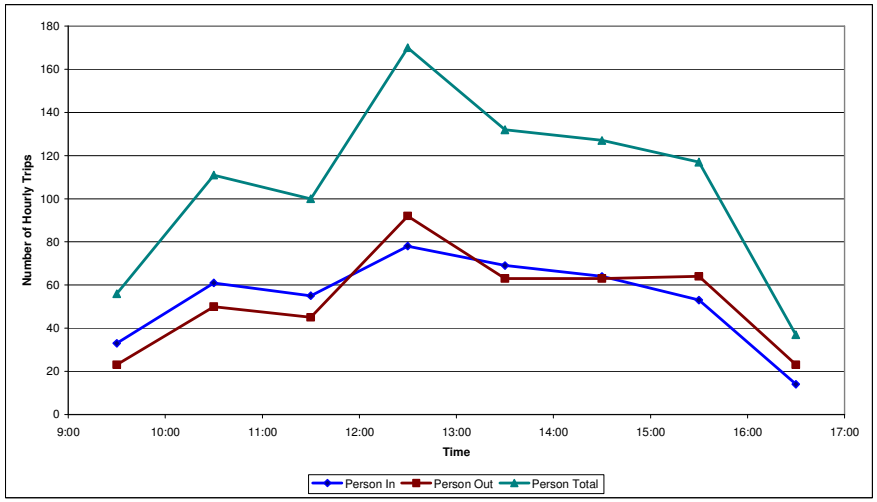

Figure 3-56 BG5 – Survey Results (Saturday) – Person Trips

3.1.15 BG6 – Fantastic Furniture at South Nowra

Table 3-58 BG6 - Survey Results - 15 mins data (Thursday)

BG6			Time:9:00 to 19:00																						
Date: 26March2009			VEHICLES PARKED ON SITE						START		0	END		0	VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS		VISITOR CARS OUTSIDE
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		visitors walk in and out)		
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
9:00	to	9:15	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15	to	9:30	1	2	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30	to	9:45	1	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0
9:45	to	10:00	3	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00	to	10:15	1	1	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15	to	10:30	3	2	8	9	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:30	to	10:45	2	3	5	5	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:45	to	11:00	4	5	7	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00	to	11:15	6	6	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15	to	11:30	0	2	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30	to	11:45	5	5	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
11:45	to	12:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
12:00	to	12:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15	to	12:30	4	3	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30	to	12:45	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
12:45	to	13:00	4	1	4	1	1	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:00	to	13:15	3	4	8	5	1	1	2	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
13:15	to	13:30	2	1	7	3	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
13:30	to	13:45	2	3	2	9	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:45	to	14:00	2	3	2	3	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:00	to	14:15	4	1	10	1	3	2	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:15	to	14:30	3	5	3	9	0	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:30	to	14:45	1	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:45	to	15:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:00	to	15:15	2	3	4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:15	to	15:30	3	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:30	to	15:45	1	5	1	8	1	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:45	to	16:00	2	1	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0
16:00	to	16:15	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:15	to	16:30	1	2	2	4	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0
16:30	to	16:45	2	3	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45	to	17:00	0	1	0	3	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:00	to	17:15	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15	to	17:30	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:30	to	17:45	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:45	to	18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:00	to	18:15	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:15	to	18:30	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	to	18:45	0	1	0	2	2	2	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:45	to	19:00	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	71	71	130	130	14	14	24	24	1	1	1	1	0	0	0	0	1	1	1	1	9	9	0
		Peak	6	6	10	10	3	2	6	5	1	1	1	1	0	0	0	0	1	1	1	1	4	4	0

< Customer Vehicle Data <

< Service Vehicle and Pedestrian Data <

Table 3-59 BG6 - Survey Results - hourly data (Thursday)

BG6 Hourly Data			Light Vehicle									Heavy Vehicle									All								
			Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)			
TIME			In	Out	Total	0	38	In	Out	Total	Accum.	In	Out	Total	0	1	In	Out	Total	Accum.	In	Out	Total	0	39	In	Out	Total	Accum.
9:00	to	10:00	7	3	10	4	11%	12	5	17	7	1	1	2	0	0%	1	1	2	0	8	4	12	4	10%	13	6	19	7
9:15	to	10:15	6	4	10	4	11%	14	7	21	9	1	1	2	0	0%	1	1	2	0	7	5	12	4	10%	15	8	23	9
9:30	to	10:30	9	4	13	6	16%	22	13	35	10	1	1	2	0	0%	1	1	2	0	10	5	15	6	15%	23	14	37	10
9:45	to	10:45	10	7	17	4	11%	25	18	43	8	0	0	0	0	0%	0	0	0	0	10	7	17	4	10%	25	18	43	8
10:00	to	11:00	11	12	23	3	8%	26	27	53	6	0	0	0	0	0%	0	0	0	0	11	12	23	3	8%	26	27	53	6
10:15	to	11:15	16	17	33	3	8%	32	35	67	6	0	0	0	0	0%	0	0	0	0	16	17	33	3	8%	32	35	67	6
10:30	to	11:30	12	17	29	1	3%	22	31	53	1	0	0	0	0	0%	0	0	0	0	12	17	29	1	3%	22	31	53	1
10:45	to	11:45	15	18	33	1	3%	24	31	55	1	0	0	0	0	0%	0	0	0	0	15	18	33	1	3%	25	32	57	1
11:00	to	12:00	11	13	24	1	3%	17	22	39	1	0	0	0	0	0%	0	0	0	0	11	13	24	1	3%	19	24	43	1
11:15	to	12:15	5	7	12	1	3%	7	12	19	1	0	0	0	0	0%	0	0	0	0	5	7	12	1	3%	9	14	23	1
11:30	to	12:30	9	8	17	2	5%	13	11	24	3	0	0	0	0	0%	0	0	0	0	9	8	17	2	5%	15	13	28	3
11:45	to	12:45	4	4	8	1	3%	6	6	12	1	0	0	0	0	0%	0	0	0	0	4	4	8	1	3%	8	8	16	1
12:00	to	13:00	9	6	15	4	11%	12	9	21	4	0	0	0	0	0%	0	0	0	0	9	6	15	4	10%	13	10	23	4
12:15	to	13:15	13	11	24	3	8%	22	16	38	7	1	0	1	1	100%	1	0	1	1	14	11	25	4	10%	24	17	41	8
12:30	to	13:30	11	9	20	4	11%	23	15	38	11	1	1	2	0	0%	1	1	2	0	12	10	22	4	10%	25	17	42	11
12:45	to	13:45	15	13	28	3	8%	27	24	51	4	1	1	2	0	0%	1	1	2	0	16	14	30	3	8%	28	25	53	4
13:00	to	14:00	13	14	27	3	8%	26	24	50	6	1	1	2	0	0%	1	1	2	0	14	15	29	3	8%	27	25	52	6
13:15	to	14:15	16	12	28	7	18%	32	23	55	16	0	1	1	0	0%	0	1	1	0	16	13	29	7	18%	32	24	56	16
13:30	to	14:30	17	18	35	3	8%	28	33	61	6	0	0	0	0	0%	0	0	0	0	17	18	35	3	8%	28	33	61	6
13:45	to	14:45	14	14	28	3	8%	25	25	50	4	0	0	0	0	0%	0	0	0	0	14	14	28	3	8%	25	25	50	4
14:00	to	15:00	12	11	23	4	11%	21	22	43	5	0	0	0	0	0%	0	0	0	0	12	11	23	4	10%	21	22	43	5
14:15	to	15:15	7	11	18	3	8%	9	21	30	4	0	0	0	0	0%	0	0	0	0	7	11	18	3	8%	9	21	30	4
14:30	to	15:30	7	4	11	6	16%	11	8	19	9	0	0	0	0	0%	0	0	0	0	7	4	11	6	15%	11	8	19	9
14:45	to	15:45	8	9	17	2	5%	13	15	28	2	0	0	0	0	0%	0	0	0	0	8	9	17	2	5%	13	15	28	2
15:00	to	16:00	9	10	19	3	8%	18	19	37	4	0	0	0	0	0%	0	0	0	0	9	10	19	3	8%	22	23	45	4
15:15	to	16:15	8	7	15	4	11%	16	14	30	6	0	0	0	0	0%	0	0	0	0	8	7	15	4	10%	20	18	38	6
15:30	to	16:30	7	10	17	3	8%	14	19	33	4	0	0	0	0	0%	0	0	0	0	7	10	17	3	8%	20	25	45	4
15:45	to	16:45	7	7	14	2	5%	16	14	30	4	0	0	0	0	0%	0	0	0	0	7	7	14	2	5%	22	20	42	4
16:00	to	17:00	6	8	14	1	3%	11	14	25	1	0	0	0	0	0%	0	0	0	0	6	8	14	1	3%	13	16	29	1
16:15	to	17:15	6	8	14	2	5%	11	14	25	3	0	0	0	0	0%	0	0	0	0	6	8	14	2	5%	13	16	29	3
16:30	to	17:30	4	6	10	1	3%	8	11	19	1	0	0	0	0	0%	0	0	0	0	4	6	10	1	3%	8	11	19	1
16:45	to	17:45	4	3	7	3	8%	7	6	13	5	0	0	0	0	0%	0	0	0	0	4	3	7	3	8%	7	6	13	5
17:00	to	18:00	3	1	4	3	8%	6	2	8	5	0	0	0	0	0%	0	0	0	0	3	1	4	3	8%	6	2	8	5
17:15	to	18:15	2	2	4	2	5%	4	4	8	3	0	0	0	0	0%	0	0	0	0	2	2	4	2	5%	4	4	8	3
17:30	to	18:30	3	2	5	2	5%	5	3	8	3	0	0	0	0	0%	0	0	0	0	3	2	5	2	5%	5	3	8	3
17:45	to	18:45	3	5	8	1	3%	4	8	12	1	0	0	0	0	0%	0	0	0	0	3	5	8	1	3%	4	8	12	1
18:00	to	19:00	4	7	11	0	0%	5	10	15	0	0	0	0	0	0%	0	0	0	0	4	7	11	0	0%	5	10	15	0
Peak			17	18	35	7	18%	32	35	67	16	1	1	2	1	1	1	1	2	1	17	18	35	7	18%	32	35	67	16

* PM network peak is highlighted.

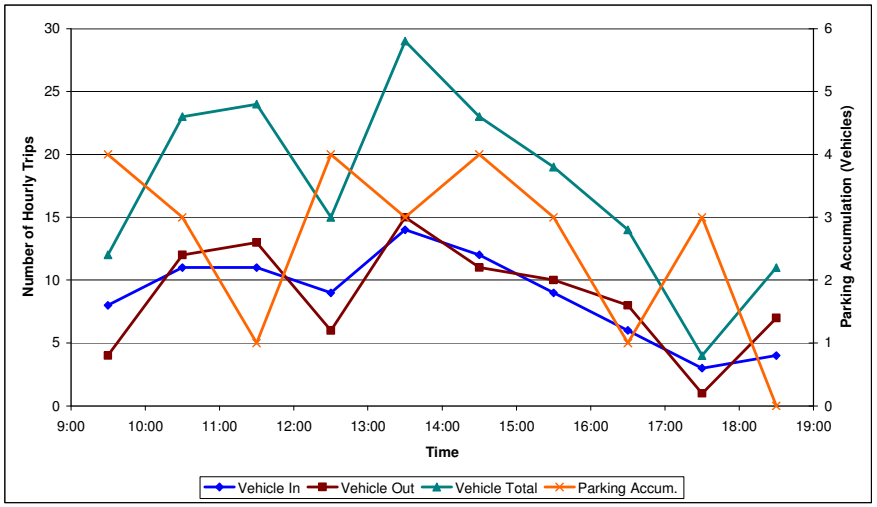

Figure 3-57 BG6 – Survey Results (Thursday) – Vehicle Trips

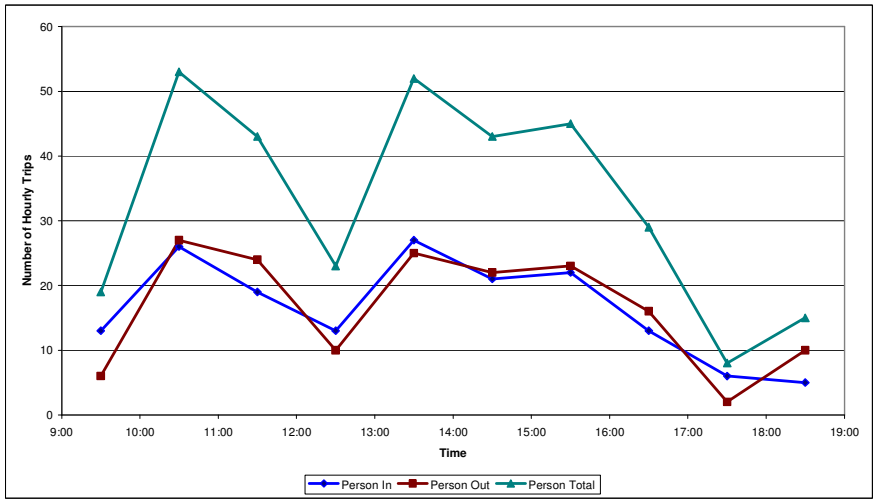

Figure 3-58 BG6 – Survey Results (Thursday) – Person Trips

Table 3-60 BG6 - Survey Results - 15 mins data (Saturday)

BG6			Time:9:00 to 17:00																							
Date: 28March2009			VEHICLES PARKED ON SITE						START		0		END		1		VEHICLES (SERVICE/ DELIVERY)								PEDS / CYCLISTS visitors walk in and out)		VISITOR CARS OUTSIDE
15mins Data WEATHER: Sunny			CAR		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS		VAN OR UTE		OCCUPANTS		TRUCK		OCCUPANTS					
TIME			IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
9:00	to	9:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15	to	9:30	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30	to	9:45	0	1	0	2	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45	to	10:00	1	1	4	4	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
10:00	to	10:15	3	0	7	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
10:15	to	10:30	1	3	4	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0
10:30	to	10:45	3	0	8	0	1	1	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
10:45	to	11:00	1	1	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00	to	11:15	1	3	2	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15	to	11:30	2	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
11:30	to	11:45	4	3	8	5	2	1	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
11:45	to	12:00	1	4	2	8	1	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:00	to	12:15	4	4	10	8	2	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15	to	12:30	3	3	5	5	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30	to	12:45	4	4	9	8	2	2	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45	to	13:00	1	0	4	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:00	to	13:15	1	3	2	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:15	to	13:30	1	1	2	2	1	1	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:30	to	13:45	3	4	4	5	2	2	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:45	to	14:00	2	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:00	to	14:15	2	1	12	4	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:15	to	14:30	8	5	13	7	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
14:30	to	14:45	7	8	11	16	2	1	4	2	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0
14:45	to	15:00	2	4	2	5	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0
15:00	to	15:15	3	3	4	5	1	1	4	4	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0
15:15	to	15:30	5	5	9	8	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:30	to	15:45	1	3	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:45	to	16:00	2	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:00	to	16:15	1	3	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:15	to	16:30	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30	to	16:45	2	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45	to	17:00	1	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	71	73	149	145	18	16	46	35	1	1	2	2	0	0	0	0	0	0	0	0	14	14	0		
		Peak	8	8	13	16	2	2	6	6	1	1	2	2	0	0	0	0	0	0	0	0	5	5	0		

^ Customer Vehicle Data

^ Service Vehicle and Pedestrian Data

Table 3-61 BG6 - Survey Results - hourly data (Saturday)

BG6			Light Vehicle									Heavy Vehicle									All							
Hourly Data			Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum.	Parking %	Person (Occupants)				Vehicle			Parking Accum. (Exclude outside)	Parking %	Person (include Pedestrian)			
TIME			In	Out	Total	0	38	In	Out	Total	Accum.	In	Out	Total	0	1	In	Out	Total	Accum.	In	Out	Total	0	39	In	Out	Total	Accum.
9:00	to	10:00	4	3	7	1	3%	9	8	17	1	0	0	0	0	0%	0	0	0	0	4	3	7	1	3%	11	8	19	3
9:15	to	10:15	7	4	11	3	8%	16	9	25	7	0	0	0	0	0%	0	0	0	0	7	4	11	3	8%	18	11	29	7
9:30	to	10:30	7	7	14	1	3%	18	20	38	0	0	0	0	0	0%	0	0	0	0	7	7	14	1	3%	24	22	46	4
9:45	to	10:45	10	7	17	4	11%	27	21	48	8	0	0	0	0	0%	0	0	0	0	10	7	17	4	10%	33	27	60	8
10:00	to	11:00	9	6	15	4	11%	26	17	43	10	0	0	0	0	0%	0	0	0	0	9	6	15	4	10%	30	23	53	10
10:15	to	11:15	7	8	15	2	5%	21	26	47	2	0	0	0	0	0%	0	0	0	0	7	8	15	2	5%	25	30	55	2
10:30	to	11:30	8	6	14	3	8%	20	17	37	3	0	0	0	0	0%	0	0	0	0	8	6	14	3	8%	21	21	42	4
10:45	to	11:45	10	9	19	5	13%	22	21	43	9	0	0	0	0	0%	0	0	0	0	10	9	19	5	13%	23	22	45	9
11:00	to	12:00	11	12	23	3	8%	24	27	51	7	0	0	0	0	0%	0	0	0	0	11	12	23	3	8%	25	28	53	7
11:15	to	12:15	16	13	29	5	13%	38	25	63	15	0	0	0	0	0%	0	0	0	0	16	13	29	5	13%	39	26	65	15
11:30	to	12:30	18	17	35	4	11%	41	30	71	14	0	0	0	0	0%	0	0	0	0	18	17	35	4	10%	41	31	72	14
11:45	to	12:45	18	19	37	4	11%	42	36	78	15	0	0	0	0	0%	0	0	0	0	18	19	37	4	10%	42	36	78	15
12:00	to	13:00	17	16	33	4	11%	40	31	71	16	0	0	0	0	0%	0	0	0	0	17	16	33	4	10%	40	31	71	16
12:15	to	13:15	12	15	27	2	5%	26	31	57	10	0	0	0	0	0%	0	0	0	0	12	15	27	2	5%	26	31	57	10
12:30	to	13:30	10	12	22	2	5%	26	28	54	12	0	0	0	0	0%	0	0	0	0	10	12	22	2	5%	26	28	54	12
12:45	to	13:45	9	12	21	1	3%	22	26	48	11	0	0	0	0	0%	0	0	0	0	9	12	21	1	3%	22	26	48	11
13:00	to	14:00	10	12	22	2	5%	20	25	45	11	0	0	0	0	0%	0	0	0	0	10	12	22	2	5%	20	25	45	11
13:15	to	14:15	11	10	21	3	8%	30	21	51	19	1	0	1	1	100%	2	0	2	2	12	10	22	4	10%	32	21	53	21
13:30	to	14:30	17	13	30	6	16%	37	24	61	25	1	1	2	0	0%	2	2	4	0	18	14	32	6	15%	39	26	65	25
13:45	to	14:45	21	16	37	6	16%	42	31	73	22	1	1	2	0	0%	2	2	4	0	22	17	39	6	15%	49	33	82	27
14:00	to	15:00	21	20	41	3	8%	42	36	78	17	1	1	2	0	0%	2	2	4	0	22	21	43	3	8%	49	43	92	17
14:15	to	15:15	23	23	46	3	8%	38	41	79	16	0	1	1	0	0%	0	2	2	0	23	24	47	3	8%	45	50	95	16
14:30	to	15:30	21	24	45	3	8%	35	43	78	17	0	0	0	0	0%	0	0	0	0	21	24	45	3	8%	42	50	92	17
14:45	to	15:45	13	18	31	1	3%	22	31	53	13	0	0	0	0	0%	0	0	0	0	13	18	31	1	3%	24	38	62	13
15:00	to	16:00	13	14	27	2	5%	23	25	48	15	0	0	0	0	0%	0	0	0	0	13	14	27	2	5%	25	27	52	15
15:15	to	16:15	10	13	23	0	0%	18	21	39	13	0	0	0	0	0%	0	0	0	0	10	13	23	0	0%	18	21	39	13
15:30	to	16:30	4	8	12	-1	-3%	8	14	22	11	0	0	0	0	0%	0	0	0	0	4	8	12	-1	-3%	8	14	22	11
15:45	to	16:45	5	5	10	1	3%	12	8	20	17	0	0	0	0	0%	0	0	0	0	5	5	10	1	3%	12	8	20	17
16:00	to	17:00	4	6	10	0	0%	11	11	22	15	0	0	0	0	0%	0	0	0	0	4	6	10	0	0%	11	11	22	15
Peak			23	24	46	6	16%	42	43	79	25	1	1	2	1	1	2	2	4	2	23	24	47	6	15%	49	50	95	27

* Network peak is highlighted.

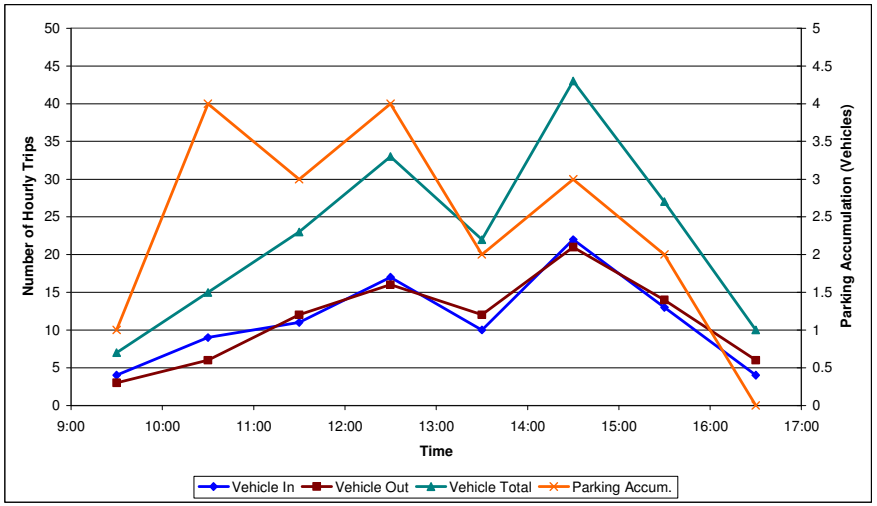

Figure 3-59 BG6 – Survey Results (Saturday) – Vehicle Trips

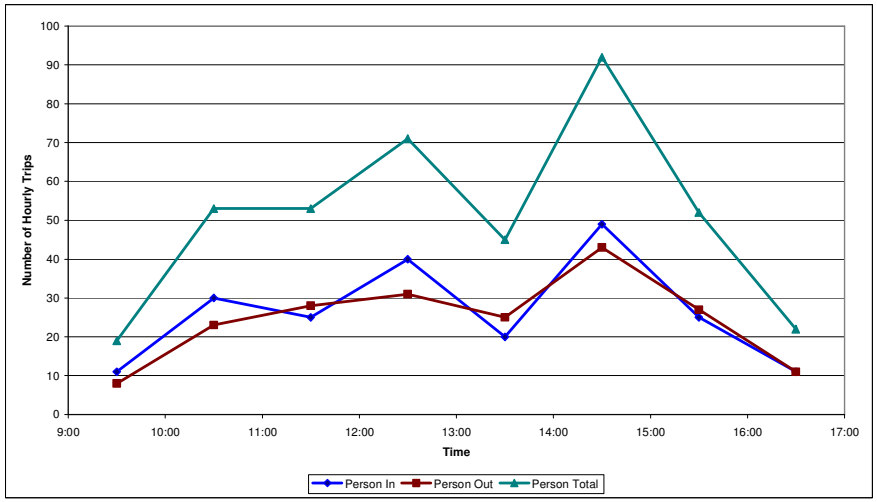

Figure 3-60 BG6 – Survey Results (Saturday) – Person Trips

3.2 Interview Survey Results

3.2.1 Primary Trips / Pass-By Trips / Multi-purpose Trips

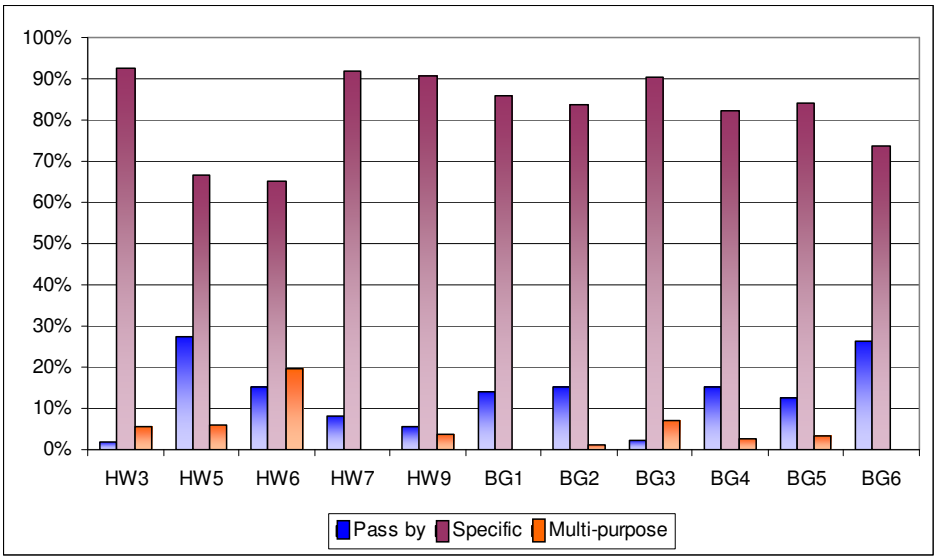

Figure 3-61 Trip Purpose – Weekdays

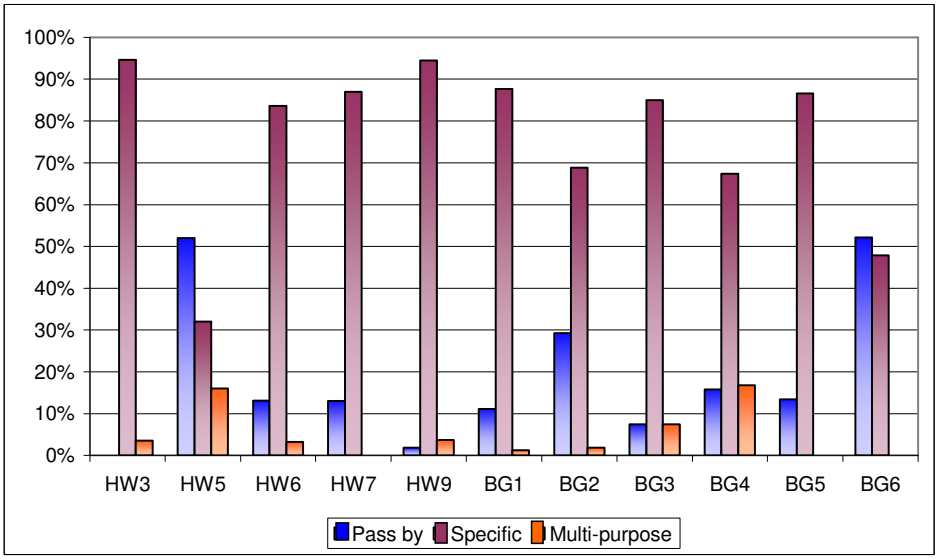

Figure 3-62 Trip Purpose – Weekends

3.2.2 Mode of Travel

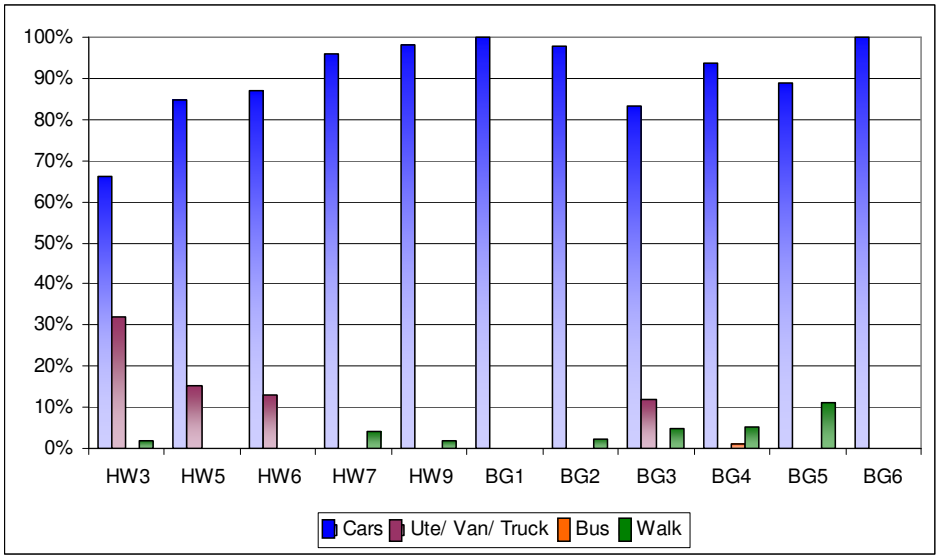

Figure 3-63 Mode of Travel – Weekdays

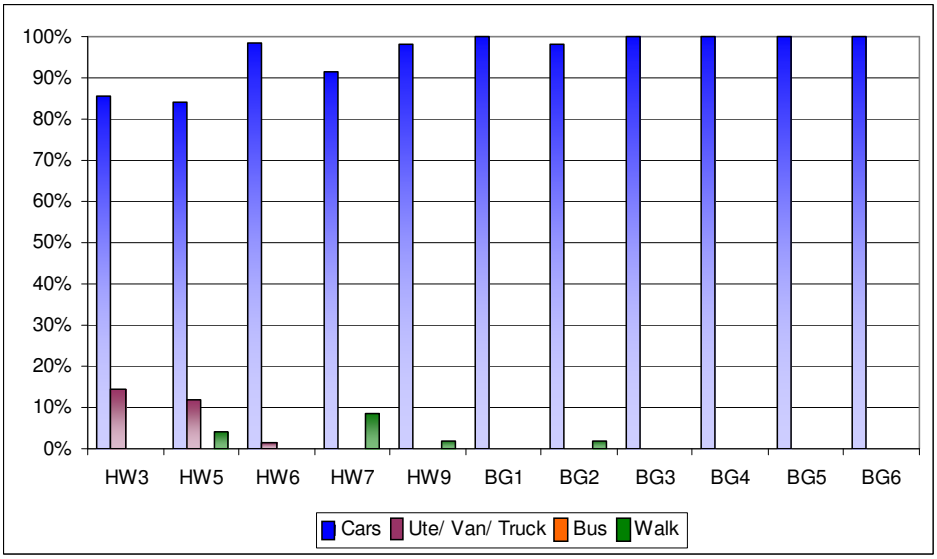

Figure 3-64 Mode of Travel – Weekends

3.2.3 Parking On-site / Off-site

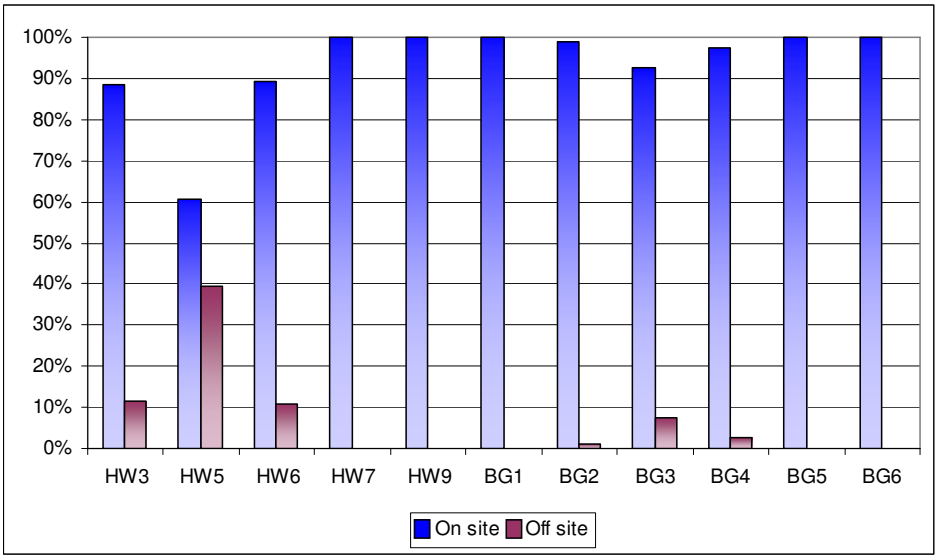

Figure 3-65 Parking on-site / off-site – Weekdays

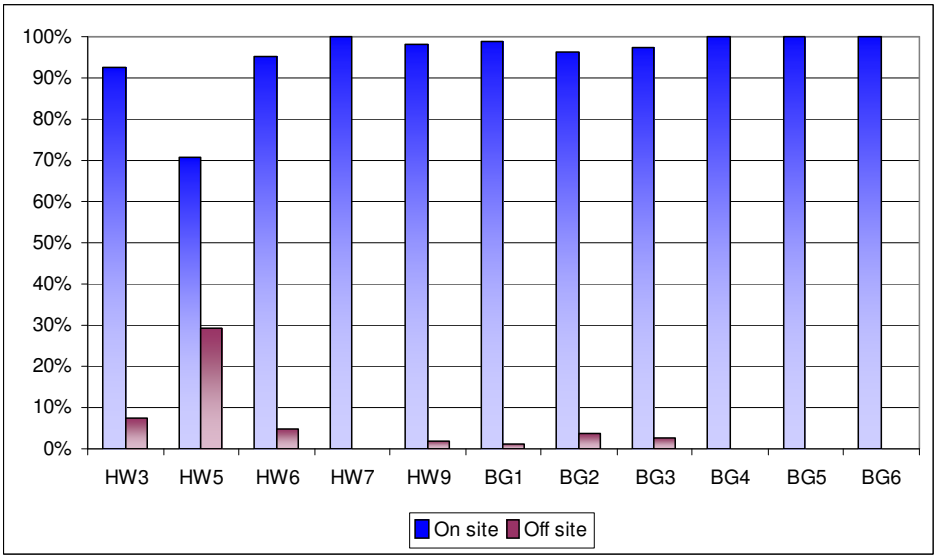

Figure 3-66 Parking on-site / off-site – Weekends

3.2.4 Origin Postcode

Note: As one postcode commonly has more than one suburb name, only one of the suburb names will be shown.

HW3 – Mitre10 at Windsor

Table 3-62 HW3 – Origin Postcode (Weekday)

Postcode	Suburb name	Total
2148	PROSPECT	1
2151	NORTH ROCKS	1
2156	KENTHURST	2
2749	CRANEBROOK	1
2753	YARRAMUNDI	7
2756	WINDSOR	22
2758	KURRAJONG	4
2765	VINEYARD	8
2820	WELLINGTON	1
Grand Total		47

Table 3-63 HW3 – Origin Postcode (Weekend)

Postcode	Suburb name	Total
2147	SEVEN HILLS WEST	1
2148	PROSPECT	1
2747	WERRINGTON DOWNS	1
2753	YARRAMUNDI	4
2756	WINDSOR	29
2758	KURRAJONG	1
2765	VINEYARD	14
2777	YELLOW ROCK	1
Grand Total		52

HW5 – Mitre10 at Narellan

Table 3-64 HW5 – Origin Postcode (Weekday)

Postcode	Suburb name	Total
2179	LEPPINGTON	2
2559	CLAYMORE	5
2560	WOODBINE	2
2563	MENANGLE PARK	6
2566	VARROVILLE	2
2567	NARELLAN	5
2570	WEROMBI	8
2571	WILTON	3
Grand Total		33

Table 3-65 HW5 – Origin Postcode (Weekend)

Postcode	Suburb name	Total
2559	CLAYMORE	6
2560	WOODBINE	4
2563	MENANGLE PARK	3
2566	VARROVILLE	1
2567	NARELLAN	2
2570	WEROMBI	9
Grand Total		25

HW6 – Mitre10 at Morisset

Table 3-66 HW6 – Origin Postcode (Weekday)

Postcode	Suburb name	Total
2259	YARRAMALONG	3
2263	TOUKLEY	1
2264	MORISSET	14
2265	MARTINSVILLE	14
2267	WANGI WANGI	1
2283	TORONTO	8
2286	WEST WALLSEND	1
2320	TELARAH	2
2335	STANHOPE	1
3303	HARRISON	1
Grand Total		46

Table 3-67 HW6 – Origin Postcode (Weekend)

Postcode	Suburb name	Total
2250	WYOMING	2
2251	YATTALUNGA	1
2259	YARRAMALONG	5
2262	SAN REMO	2
2264	MORISSET	36
2265	MARTINSVILLE	8
2267	WANGI WANGI	3
2278	WAKEFIELD	1
2281	SWANSEA	1
2283	TORONTO	1
4570	HARRISON	1
Grand Total		61

HW7 – Mitre10 at Picton

Table 3-68 HW7 – Origin Postcode (Weekday)

Postcode	Suburb name	Total
2570	WEROMBI	2
2571	PICTON	19
2573	TAHMOOR	3
2574	YANDERRA	1
Grand Total		25

Table 3-69 HW7 – Origin Postcode (Weekend)

Postcode	Suburb name	Total
2560	WOODBINE	1
2563	MENANGLE PARK	2
2570	WEROMBI	1
2571	PICTON	17
2572	THIRLMERE	1
2573	TAHMOOR	1
Grand Total		23

HW9 – Mitre10 at Orange

Table 3-70 HW9 – Origin Postcode (Weekday)

Postcode	Suburb name	Total
2073	WEST PYMBLE	1
2792	MANDURAMA	1
2798	TALLWOOD	1
2800	ORANGE	50
Grand Total		53

Table 3-71 HW9 – Origin Postcode (Weekend)

Postcode	Suburb name	Total
2799	VITTORIA	1
2800	ORGANGE	53
Grand Total		54

BG1 – Freedom/Sleepcity at Balgowlah

Table 3-72 BG1 – Origin Postcode (Weekday)

Postcode	Suburb name	Total
2088	SPIT JUNCTION	7
2089	NEUTRAL BAY JUNCTION	1
2090	CREMORNE POINT	7
2092	SEAFORTH	2
2093	BALGOWLAH	17
2094	FAIRLIGHT	2
2095	MANLY EAST	3
2099	NORTH CURL CURL	2
2100	WARRINGAH MALL	2
Grand Total		43

Table 3-73 BG1 – Origin Postcode (Weekend)

Postcode	Suburb name	Total
2087	KILLARNEY HEIGHTS	3
2088	SPIT JUNCTION	21
2089	NEUTRAL BAY JUNCTION	6
2092	SEAFORTH	5
2093	BALGOWLAH	29
2094	FAIRLIGHT	3
2095	MANLY EAST	7
2096	QUEENSCLIFF	1
2097	WHEELER HEIGHTS	1
2099	NORTH CURL CURL	4
2100	WARRINGAH MALL	1
Grand Total		81

BG2 – Harvey Norman at Auburn

Table 3-74 BG2 – Origin Postcode (Weekday)

Postcode	Suburb name	Total
2037	GLEBE	1
2038	ANNANDALE	1
2046	WAREEMBA	1
2111	TENNYSON POINT	3
2113	NORTH RYDE	3
2118	KINGSDENE	1
2121	NORTH EPPING	4
2127	NEWINGTON	3
2128	SILVERWATER	2
2132	CROYDON	3
2134	BURWOOD NORTH	2
2135	STRATHFIELD	1
2140	HOMEBUSH WEST	4
2141	LIDCOMBE NORTH	5
2142	SOUTH GRANVILLE	2
2144	AUBURN	14
2145	WESTMEAD	8
2150	PARRAMATTA WESTFIELD	5
2160	MERRYLANDS WEST	2
2161	YENNORA	4
2166	LANSVALE	1
2176	WAKELEY	3
2193	HURLSTONE PARK	1
2196	ROSELANDS	2
2234	MENAI CENTRAL	2
2324	TWELVE MILE CREEK	1
2567	NARELLAN VALE	1
2795	YETHOLME	1
Grand Total		81

Table 3-75 BG2 – Origin Postcode (Weekend)

Postcode	Suburb name	Total
2016	REDFERN	1
2046	WAREEMBA	1
2066	RIVERVIEW	2
2076	WAHROONGA	1
2077	WAITARA	3
2089	NEUTRAL BAY JUNCTION	1
2110	WOOLWICH	1
2114	WEST RYDE	2
2115	ERMINGTON	3
2117	TELOPEA	2
2118	KINGSDENE	1
2120	WESTLEIGH	1
2127	NEWINGTON	3
2131	ASHFIELD	1
2132	CROYDON	1
2135	STRATHFIELD	2
2136	STRATHFIELD SOUTH	2
2137	NORTH STRATHFIELD	2
2140	HOMEBUSH WEST	4
2141	LIDCOMBE NORTH	1
2142	SOUTH GRANVILLE	1
2144	AUBURN	13
2145	WESTMEAD	9
2148	PROSPECT	1
2150	PARRAMATTA WESTFIELD	4
2151	NORTH ROCKS	5
2152	NORTHMEAD	1
2155	ROUSE HILL	3
2160	MERRYLANDS WEST	1
2163	VILLAWOOD	1
2164	WOODPARK	1
2165	FAIRFIELD WEST	1
2170	WARWICK FARM	1
2176	WAKELEY	3
2190	MOUNT LEWIS	3
2195	WILEY PARK	4
2196	ROSELANDS	1
2197	BASS HILL	1
2198	GEORGES HALL	1
2199	YAGOONA WEST	1
2206	EARLWOOD	1
2211	PADSTOW HEIGHTS	1
2228	YOWIE BAY	1
2760	ST MARYS SOUTH	1
2768	STANHOPE GARDENS	2
2850	YARRAWONGA	1
Grand Total		98

BG3 – Retravision at Springwood

Table 3-76 BG3 – Origin Postcode (Weekday)

Postcode	Suburb name	Total

2000	THE ROCKS	1
2170	WARWICK FARM	1
2749	CRANEBROOK	1
2770	WILLMOT	1
2773	LAPSTONE	5
2774	WARRIMOO	1
2776	FAULCONBRIDGE	5
2777	SPRINGWOOD	17
2778	WOODFORD	1
2779	HAZELBROOK	1
2780	MEDLOW BATH	2
2782	WENTWORTH FALLS	2
2783	LAWSON	2
2785	MEGALONG	2
Grand Total		42

Table 3-77 BG3 – Origin Postcode (Weekend)

Postcode	Suburb name	Total
2074	WARRAWEE	1
2170	WARWICK FARM	1
2749	CRANEBROOK	1
2773	LAPSTONE	3
2774	WARRIMOO	4
2776	FAULCONBRIDGE	4
2777	SPRINGWOOD	17
2778	WOODFORD	1
2779	HAZELBROOK	1
2780	MEDLOW BATH	2
2784	BULLABURRA	1
2785	MEGALONG	2
Grand Total		38

BG4 – Domayne at Kotara

Table 3-78 BG4 – Origin Postcode (Weekday)

Postcode	Suburb name	Total
2259	YARRAMALONG	1
2260	WAMBERAL	1
2265	MARTINSVILLE	1
2280	VALENTINE	2
2282	WARNERS BAY	3
2283	TORONTO	1
2284	WOODRISING	3
2285	MACQUARIE HILLS	4
2287	WALLSEND SOUTH	7
2289	KOTARA	12
2290	WHITEBRIDGE	11
2291	THE JUNCTION	3
2295	STOCKTON	3
2298	WARATAH WEST	1
2299	NORTH LAMBTON	5
2300	THE HILL	2
2303	HAMILTON SOUTH	3
2304	WARABROOK	2
2305	NEW LAMBTON HEIGHTS	5
2308	NEWCASTLE UNIVERSITY	1
2317	SOLDIERS POINT	1
2318	WILLIAMTOWN	1
2320	TELARAH	2
2322	WOODBERRY	1
2324	TWELVE MILE CREEK	1
2330	WARKWORTH	2
Grand Total		79

Table 3-79 BG4 – Origin Postcode (Weekend)

Postcode	Suburb name	Total
2016	REDFERN	1
2205	WOLLI CREEK	1
2259	YARRAMALONG	1
2280	VALENTINE	5
2281	SWANSEA	2
2282	WARNERS BAY	4
2283	TORONTO	5
2284	WOODRISING	3
2285	MACQUARIE HILLS	6
2287	WALLSEND SOUTH	6
2289	KOTARA	8
2290	WHITEBRIDGE	9
2291	THE JUNCTION	3
2294	CARRINGTON	1
2298	WARATAH WEST	3
2299	NORTH LAMBTON	2
2300	THE HILL	4
2303	HAMILTON SOUTH	3
2304	WARABROOK	4
2305	NEW LAMBTON HEIGHTS	8
2308	NEWCASTLE UNIVERSITY	1
2319	TANILBA BAY	2
2320	TELARAH	4
2322	WOODBERRY	2
2323	TENAMBIT	1
2325	WOLLOMBI	1
2337	WOOLOOMA	1
2425	WASHPOOL	1
2444	SETTLEMENT CITY	1
2850	YARRAWONGA	1
4740	HARRISON	1
Grand Total		95

BG5 – Bing Lee at Warilla

Table 3-80 BG5 – Origin Postcode (Weekday)

Postcode	Suburb name	Total
2031	ST PAULS	1
2226	JANNALI	1
2427	HARRINGTON	1
2433	SOUTH WEST ROCKS	1
2500	WOLLONGONG	1
2502	WARRAWONG	1
2509	STANWELL TOPS	1
2520	WOLLONGONG	1
2526	UNANDERRA	3
2527	YELLOW ROCK	11
2528	WARILLA	20
2529	SHELLHARBOUR	10
2530	YALLAH	2
2533	MINNAMURRA	6
2534	WILLOW VALE	3
Grand Total		63

Table 3-81 BG5 – Origin Postcode (Weekend)

Postcode	Suburb name	Total
2500	WOLLONGONG	1
2506	BERKELEY	1
2515	WOMBARRA	1
2519	MOUNT PLEASANT	1
2522	UNIVERSITY OF WOLLONGONG	1
2527	YELLOW ROCK	8
2528	WARILLA	17
2529	SHELLHARBOUR	16
2530	YALLAH	5
2533	MINNAMURRA	12
2540	YALWAL	1
2574	YANDERRA	1
2594	YOUNG	1
2799	VITTORIA	1
Grand Total		67

BG6 – Fantastic Furniture at South Nowra

Table 3-82 BG6 – Origin Postcode (Weekday)

Postcode	Suburb name	Total
2113	NORTH RYDE	1
2161	YENNORA	1
2535	WOODHILL	4
2539	YATTE YATTAH	1
2540	YALWAL	4
2541	SOUTH NOWRA	6
Grand Total		17

Table 3-83 BG6 – Origin Postcode (Weekend)

Postcode	Suburb name	Total
2010	SURRY HILLS	1
2211	PADSTOW HEIGHTS	1
2318	WILLIAMTOWN	1
2537	TUROSS HEAD	1
2540	YALWAL	8
2541	SOUTH NOWRA	10
Grand Total		22

3.3 Automatic Traffic Counter (ATC) Survey Results

3.3.1 HW1 – Bunnings at North Parramatta

AVERAGE PROFILE OF HOURLY TRAFFIC VOLUME Year 2007 Station No. 50.385.N

CHURCH ST,MR184-SL14 NTH PARRAMATTA-S OF NORTH ROCKS RD

HOUR	WEEKDAYS			WEEKENDS			ALL DAYS		
Comm.	MEAN	DEV.	No.	MEAN	DEV.	No.	MEAN	DEV.	No.
0	147	35	250	359	55	104	211	105	364
1	72	17	250	225	30	104	119	74	364
2	51	13	250	168	24	104	87	58	364
3	50	12	250	130	19	104	75	41	364
4	64	13	250	101	15	104	75	22	364
5	180	24	250	119	26	104	161	38	364
6	514	77	250	217	64	104	420	159	364
7	757	103	250	290	97	104	608	243	364
8	987	136	250	505	165	104	829	276	364
9	935	94	250	766	168	104	873	161	364
10	1016	78	249	991	190	104	998	140	363
11	1113	98	249	1197	174	104	1127	146	363
12	1200	98	250	1297	164	104	1217	146	364
13	1260	88	250	1253	172	104	1245	146	364
14	1526	137	250	1252	207	104	1430	226	364
15	1719	157	250	1248	186	104	1560	296	364
16	2003	194	250	1217	203	104	1746	435	364
17	2110	220	250	1111	238	104	1786	532	364
18	1659	196	250	819	105	104	1390	435	364
19	1004	154	250	637	124	104	885	228	364
20	742	150	250	514	63	104	668	169	364
21	666	164	250	510	177	104	614	183	364
22	515	159	250	458	128	104	499	159	364
23	314	119	250	373	144	104	329	129	364
	AWT			AWE			ADT		
TOTAL	20604			15757			18952		

AVERAGE PROFILE OF HOURLY TRAFFIC VOLUME Year 2007 Station No. 50.385.S

CHURCH ST,MR184-SL14 NTH PARRAMATTA-S OF NORTH ROCKS RD

HOUR	WEEKDAYS			WEEKENDS			ALL DAYS		
Comm.	MEAN	DEV.	No.	MEAN	DEV.	No.	MEAN	DEV.	No.
0	86	31	251	234	38	104	131	75	365
1	45	15	251	144	25	104	76	49	365
2	32	12	251	101	18	104	54	36	365
3	40	11	251	87	13	104	55	25	365
4	77	14	251	76	11	104	76	15	365
5	318	52	251	131	36	104	260	99	365
6	815	138	251	246	89	104	636	294	365
7	1769	292	251	378	147	104	1331	700	365
8	2093	348	251	709	287	104	1649	737	365
9	1517	229	251	996	214	104	1341	352	365
10	1190	117	250	1152	177	104	1166	161	364
11	1128	118	251	1219	163	104	1145	151	365
12	1100	117	251	1218	162	104	1125	154	365
13	1081	100	250	1176	177	104	1099	149	364
14	1067	95	251	1044	170	104	1050	138	365
15	1142	140	251	936	126	104	1070	179	365
16	1044	130	251	851	115	104	978	163	365
17	970	131	251	826	124	104	919	152	365
18	904	156	251	768	170	104	857	176	365
19	700	148	251	625	139	104	673	151	365
20	492	99	251	468	71	104	483	93	365
21	419	93	251	408	58	104	415	85	365
22	331	110	251	332	85	104	330	104	365
23	208	86	251	250	109	104	220	95	365
	AWT			AWE			ADT		
TOTAL	18568			14375			17139		

3.3.2 HW2 – Bunnings at Bankstown Airport

HOURLY TRAFFIC VOLUMES SAMPLE Week 19, Year 2005 (commencing Monday 9/05/05)

MILPERRA RD,MR167 MILPERRA-E OF MR508,HENRY LAWSON DR Station No. 44.023.E

HOUR	MON	TUE	WED	THU	FRI	SAT	SUN	WEEKDAYS			WEEKEND (+HOLIDAYS)			WHOLE WEEK		
comm.	9/05	10/05	11/05	12/05	13/05	14/05	15/05	TOTAL	MEAN	%	TOTAL	MEAN	%	TOTAL	MEAN	%
0	220	160	160	210	190	250	330	940	190	0.69	580	290	1.75	1520	220	0.90
1	160	110	150	150	150	170	220	720	140	0.53	390	200	1.18	1110	160	0.66
2	150	150	220	190	180	150	130	890	180	0.65	280	140	0.85	1170	170	0.69
3	240	230	240	280	230	180	110	1220	240	0.89	290	150	0.88	1510	220	0.89
4	480	490	500	470	520	280	150	2460	490	1.80	430	220	1.30	2890	410	1.71
5	1640	1720	1750	1780	1740	780	270	8630	1730	6.33	1050	530	3.18	9680	1380	5.71
6	2670	2810	2820	2950	2830	830	320	14080	2820	10.33	1150	580	3.48	15230	2180	8.99
7	2690	2730	2730	2790	2640	810	340	13580	2720	9.96	1150	580	3.48	14730	2100	8.70
8	2300	2300	2210	2160	2160	1010	590	11130	2230	8.16	1600	800	4.84	12730	1820	7.52
9	1670	1700	1660	1750	1760	1130	820	8540	1710	6.26	1950	980	5.90	10490	1500	6.19
10	1440	1490	1500	1500	1470	1200	980	7400	1480	5.43	2180	1090	6.60	9580	1370	5.66
11	1460	1430	1430	1390	1490	1260	1100	7200	1440	5.28	2360	1180	7.14	9560	1370	5.64
12	1450	1420	1370	1410	1420	1180	1040	7070	1410	5.19	2220	1110	6.72	9290	1330	5.48
13	1440	1420	1520	1450	1380	1230	1060	7210	1440	5.29	2290	1150	6.93	9500	1360	5.61
14	1470	1510	1550	1470	1370	1210	1020	7370	1470	5.41	2230	1120	6.75	9600	1370	5.67
15	1500	1440	1400	1510	1290	1030	910	7140	1430	5.24	1940	970	5.87	9080	1300	5.36
16	1340	1450	1450	1440	1330	1020	980	7010	1400	5.14	2000	1000	6.05	9010	1290	5.32
17	1340	1360	1290	1370	1210	1130	1060	6570	1310	4.82	2190	1100	6.63	8760	1250	5.17
18	940	930	970	980	1040	960	830	4860	970	3.56	1790	900	5.42	6650	950	3.93
19	670	640	710	680	780	680	630	3480	700	2.55	1310	660	3.96	4790	680	2.83
20	530	510	580	550	640	500	530	2810	560	2.06	1030	520	3.12	3840	550	2.27
21	470	550	550	510	510	490	510	2590	520	1.90	1000	500	3.03	3590	510	2.12
22	370	440	420	400	450	530	390	2080	420	1.53	920	460	2.78	3000	430	1.77
23	230	230	270	250	380	450	270	1360	270	1.00	720	360	2.18	2080	300	1.23
DAY TOT	26870	27220	27450	27640	27160	18460	14590	136340	27270	100.00	33050	16530	100.00	169390	24200	100.00
MAX	2690	2810	2820	2950	2830	1260	1100	AWT =	27270		AWE =	16530		ADT =	24200	

HOURLY TRAFFIC VOLUMES SAMPLE Week 19, Year 2005 (commencing Monday 9/05/05)

MILPERRA RD,MR167 MILPERRA-E OF MR508,HENRY LAWSON DR Station No. 44.023.W

HOUR	MON	TUE	WED	THU	FRI	SAT	SUN	WEEKDAYS			WEEKEND (+HOLIDAYS)			WHOLE WEEK		
comm.	9/05	10/05	11/05	12/05	13/05	14/05	15/05	TOTAL	MEAN	%	TOTAL	MEAN	%	TOTAL	MEAN	%
0	210	270	320	300	330	460	540	1430	290	1.12	1000	500	2.94	2430	350	1.50
1	150	160	150	170	180	280	350	810	160	0.63	630	320	1.86	1440	210	0.89
2	140	160	180	210	180	260	230	870	170	0.68	490	250	1.44	1360	190	0.84
3	120	140	180	150	170	190	190	760	150	0.59	380	190	1.12	1140	160	0.70
4	230	200	260	200	230	180	180	1120	220	0.88	360	180	1.06	1480	210	0.91
5	450	500	460	460	480	310	160	2350	470	1.84	470	240	1.38	2820	400	1.74
6	880	910	890	950	870	470	260	4500	900	3.52	730	370	2.15	5230	750	3.23
7	1140	1150	1120	1200	1150	630	390	5760	1150	4.50	1020	510	3.00	6780	970	4.19
8	1240	1240	1210	1240	1270	740	460	6200	1240	4.84	1200	600	3.53	7400	1060	4.57
9	1230	1210	1210	1220	1240	920	700	6110	1220	4.77	1620	810	4.77	7730	1100	4.77
10	1200	1310	1320	1180	1320	1120	920	6330	1270	4.95	2040	1020	6.01	8370	1200	5.17
11	1290	1330	1390	1370	1350	1240	1050	6730	1350	5.26	2290	1150	6.74	9020	1290	5.57
12	1400	1340	1400	1350	1590	1450	1080	7080	1420	5.53	2530	1270	7.45	9610	1370	5.93
13	1530	1490	1420	1470	1770	1210	1170	7680	1540	6.00	2380	1190	7.01	10060	1440	6.21
14	1720	1750	1780	1850	1860	1390	1020	8960	1790	7.00	2410	1210	7.10	11370	1620	7.02
15	2300	2290	2320	2370	2020	1330	1130	11300	2260	8.83	2460	1230	7.24	13760	1970	8.50
16	2370	2390	2420	2370	2200	1190	1070	11750	2350	9.18	2260	1130	6.65	14010	2000	8.65
17	2360	2360	2390	2320	2200	1270	990	11630	2330	9.09	2260	1130	6.65	13890	1980	8.58
18	1690	1780	1840	1640	1570	910	850	8520	1700	6.66	1760	880	5.18	10280	1470	6.35
19	910	990	1020	1000	1160	680	630	5080	1020	3.97	1310	660	3.86	6390	910	3.95
20	790	810	760	860	810	590	620	4030	810	3.15	1210	610	3.56	5240	750	3.24
21	650	710	730	770	670	550	570	3530	710	2.76	1120	560	3.30	4650	660	2.87
22	560	620	630	580	670	560	520	3060	610	2.39	1080	540	3.18	4140	590	2.56
23	370	460	480	500	590	590	360	2400	480	1.88	950	480	2.80	3350	480	2.07
DAY TOT	24930	25570	25880	25730	25880	18520	15440	127990	25600	100.00	33960	16980	100.00	161950	23140	100.00
MAX	2370	2390	2420	2370	2200	1450	1170	AWT =	25600		AWE =	16980		ADT =	23140	

3.3.3 HW3 – Mitre10 at Windsor

AVERAGE PROFILE OF HOURLY TRAFFIC VOLUME Year 2007 Station No. 88.046.E

WINDSOR RD,MR184-SL12 WINDSOR-E OF MR184,MACQUARIE ST

HOUR	WEEKDAYS			WEEKENDS			ALL DAYS		
Comm.	MEAN	DEV.	No.	MEAN	DEV.	No.	MEAN	DEV.	No.
0	44	14	225	119	32	92	66	40	327
1	30	9	225	70	17	92	42	23	327
2	29	7	225	52	13	92	35	15	327
3	47	20	225	45	13	92	46	18	327
4	181	102	225	75	39	92	148	100	327
5	702	232	225	176	100	92	537	317	327
6	1195	289	225	278	137	92	906	497	327
7	1318	316	225	415	182	92	1032	510	327
8	1191	280	223	631	215	92	1009	376	325
9	924	168	224	860	222	92	896	196	326
10	886	153	224	1032	239	92	923	197	326
11	913	162	224	1144	217	92	977	209	326
12	932	170	224	1143	224	92	989	213	326
13	945	191	225	1066	199	92	976	206	327
14	1051	209	225	1053	212	92	1047	217	327
15	1117	210	225	1064	233	92	1096	226	327
16	1144	228	225	1051	247	92	1110	243	327
17	997	200	225	925	203	92	970	209	327
18	670	137	225	676	135	92	669	139	327
19	465	107	225	459	102	92	461	106	327
20	364	89	225	349	84	92	358	88	327
21	284	77	225	277	83	92	280	80	327
22	171	61	225	204	96	92	180	74	327
23	96	43	225	138	82	92	108	60	327
	AWT			AWE			ADT		
TOTAL	15696			13302			14861		

AVERAGE PROFILE OF HOURLY TRAFFIC VOLUME Year 2007 Station No. 88.046.W

WINDSOR RD,MR184-SL12 WINDSOR-E OF MR184,MACQUARIE ST

HOUR	WEEKDAYS			WEEKENDS			ALL DAYS		
Comm.	MEAN	DEV.	No.	MEAN	DEV.	No.	MEAN	DEV.	No.
0	50	18	225	158	41	92	82	55	327
1	30	21	225	99	35	92	50	41	327
2	26	29	225	73	44	92	40	40	327
3	37	48	225	58	28	92	44	45	327
4	88	125	225	50	20	92	77	106	327
5	315	375	225	131	73	92	257	326	327
6	706	410	225	295	131	92	576	398	327
7	903	224	225	469	181	92	763	298	327
8	1169	213	222	733	245	92	1026	310	324
9	1045	148	223	1000	265	92	1024	201	325
10	991	132	223	1178	241	92	1043	197	325
11	985	144	223	1279	212	92	1071	215	325
12	993	326	224	1228	195	92	1059	311	326
13	995	185	225	1110	200	92	1023	202	327
14	1149	225	225	1013	185	92	1100	230	327
15	1334	239	225	944	156	92	1207	290	327
16	1287	173	225	911	146	92	1163	250	327
17	1220	190	225	834	144	92	1093	261	327
18	1010	229	225	654	150	92	894	271	327
19	577	131	225	428	102	92	528	143	327
20	366	79	225	319	69	92	350	80	327
21	292	70	225	257	61	92	281	69	327
22	203	62	225	216	85	92	206	71	327
23	121	56	225	163	96	92	133	72	327
	AWT			AWE			ADT		
TOTAL	15892			13600			15090		

3.3.4 HW4 – Bunnings at Minchinbury

AVERAGE PROFILE OF HOURLY TRAFFIC VOLUME Year 2007 Station No. 71.014.E

GT WESTERN HWY,SH5 COLYTON-AT ROPES CREEK BRIDGE

HOUR	WEEKDAYS			WEEKENDS			ALL DAYS		
Comm.	MEAN	DEV.	No.	MEAN	DEV.	No.	MEAN	DEV.	No.
0	89	24	251	234	31	104	132	71	365
1	55	12	251	164	21	104	88	53	365
2	61	10	251	125	17	104	80	32	365
3	82	13	251	109	16	104	90	19	365
4	268	30	251	152	38	104	231	65	365
5	796	114	251	230	93	104	617	287	365
6	1443	204	250	258	98	104	1070	581	364
7	1831	277	250	352	124	104	1364	732	364
8	1639	245	251	607	158	104	1308	540	365
9	1073	112	251	858	132	104	997	173	365
10	994	94	251	1073	147	104	1009	129	365
11	1019	96	250	1189	131	104	1062	140	364
12	1020	74	251	1219	117	104	1072	133	365
13	1037	65	251	1108	133	104	1050	109	365
14	1122	72	251	1058	128	104	1093	115	365
15	1227	89	251	1001	122	104	1148	161	365
16	1157	87	251	921	96	104	1077	154	365
17	1115	98	251	853	121	104	1028	170	365
18	846	104	251	673	94	104	789	133	365
19	626	96	251	525	77	104	592	104	365
20	526	82	251	449	64	104	500	86	365
21	470	89	251	397	76	104	446	92	365
22	337	78	251	342	101	104	338	85	365
23	202	73	251	239	105	104	213	85	365
	AWT			AWE			ADT		
TOTAL	19035			14136			17394		

AVERAGE PROFILE OF HOURLY TRAFFIC VOLUME Year 2007 Station No. 71.014.W

GT WESTERN HWY,SH5 COLYTON-AT ROPES CREEK BRIDGE

HOUR	WEEKDAYS			WEEKENDS			ALL DAYS		
Comm.	MEAN	DEV.	No.	MEAN	DEV.	No.	MEAN	DEV.	No.
0	137	36	251	271	48	104	177	72	365
1	79	20	251	175	28	104	108	51	365
2	52	15	251	117	19	104	71	35	365
3	50	10	251	99	14	104	64	26	365
4	74	13	251	83	16	104	76	15	365
5	168	30	251	111	30	104	150	41	365
6	371	49	251	170	49	104	307	107	365
7	543	70	251	231	75	104	443	165	365
8	890	138	251	437	154	104	743	263	365
9	877	92	251	710	168	104	816	158	365
10	922	71	251	994	159	104	935	122	365
11	1002	77	250	1177	138	104	1047	136	364
12	1032	77	251	1296	114	104	1104	154	365
13	1056	82	251	1239	134	104	1102	140	365
14	1213	93	251	1151	132	104	1185	129	365
15	1457	142	251	1100	131	104	1337	232	365
16	1730	170	251	1031	113	104	1504	372	365
17	1920	195	251	984	128	104	1620	480	365
18	1475	210	251	796	134	104	1258	374	365
19	874	151	251	596	108	104	784	193	365
20	625	120	251	463	73	104	573	132	365
21	549	121	251	407	73	104	503	127	365
22	410	84	251	341	93	104	388	93	365
23	297	80	251	278	111	104	289	91	365
	AWT			AWE			ADT		
TOTAL	17803			14257			16584		

3.3.5 HW5 – Mitre10 at Narellan

HOURLY TRAFFIC VOLUMES SAMPLE Week 5, Year 2005 (commencing Monday 31/01/05)

NARELLAN RD,MR178 NARELLAN-E OF MR620,CAMDEN VALLEY WY Station No. 85.034.E

HOUR comm.	MON 31/01	TUE 1/02	WED 2/02	THU 3/02	FRI 4/02	SAT 5/02	SUN 6/02	WEEKDAYS TOTAL	WEEKDAYS MEAN	WEEKDAYS %	WEEKEND (+HOLIDAYS) TOTAL	WEEKEND (+HOLIDAYS) MEAN	WEEKEND (+HOLIDAYS) %	WHOLE WEEK TOTAL	WHOLE WEEK MEAN	WHOLE WEEK %
0	70	110	110	90	110	180	220	490	100	0.61	400	200	1.53	890	130	0.84
1	50	60	70	60	50	110	130	290	60	0.36	240	120	0.92	530	80	0.50
2	40	40	50	40	60	100	80	230	50	0.29	180	90	0.69	410	60	0.39
3	80	80	100	70	70	70	50	400	80	0.50	120	60	0.46	520	70	0.49
4	160	150	130	150	160	110	70	750	150	0.94	180	90	0.69	930	130	0.88
5	390	390	420	340	370	250	130	1910	380	2.39	380	190	1.45	2290	330	2.16
6	680	680	670	650	670	340	160	3350	670	4.19	500	250	1.91	3850	550	3.63
7	930	870	860	830	800	510	260	4290	860	5.37	770	390	2.94	5060	720	4.77
8	860	860	870	890	850	780	470	4330	870	5.42	1250	630	4.78	5580	800	5.26
9	910	980	970	1100	990	910	700	4950	990	6.19	1610	810	6.15	6560	940	6.18
10	980	910	900	980	980	1210	990	4750	950	5.94	2200	1100	8.41	6950	990	6.55
11	960	930	900	980	1020	1190	1070	4790	960	5.99	2260	1130	8.64	7050	1010	6.64
12	990	870	920	880	950	1200	1000	4610	920	5.77	2200	1100	8.41	6810	970	6.42
13	930	890	850	950	1100	1090	920	4720	940	5.90	2010	1010	7.68	6730	960	6.34
14	1010	1040	1020	1080	1210	980	900	5360	1070	6.70	1880	940	7.18	7240	1030	6.82
15	1180	1150	1230	1210	1270	980	800	6040	1210	7.55	1780	890	6.80	7820	1120	7.37
16	1290	1360	1420	1320	1330	990	820	6720	1340	8.41	1810	910	6.92	8530	1220	8.04
17	1370	1420	1450	1430	1440	800	760	7110	1420	8.89	1560	780	5.96	8670	1240	8.17
18	960	1000	1080	1020	1130	730	630	5190	1040	6.49	1360	680	5.20	6550	940	6.17
19	530	590	590	700	730	570	480	3140	630	3.93	1050	530	4.01	4190	600	3.95
20	420	510	420	560	530	380	390	2440	490	3.05	770	390	2.94	3210	460	3.02
21	310	370	300	450	420	340	340	1850	370	2.31	680	340	2.60	2530	360	2.38
22	240	260	180	250	390	350	200	1320	260	1.65	550	280	2.10	1870	270	1.76
23	130	160	150	210	270	310	120	920	180	1.15	430	220	1.64	1350	190	1.27
DAY TOT	15470	15680	15660	16240	16900	14480	11690	79950	15990	100.00	26170	13090	100.00	106120	15160	100.00
MAX	1370	1420	1450	1430	1440	1210	1070	AWT =	15990		AWE =	13090		ADT =	15160	

HOURLY TRAFFIC VOLUMES SAMPLE Week 5, Year 2005 (commencing Monday 31/01/05)

NARELLAN RD,MR178 NARELLAN-E OF MR620,CAMDEN VALLEY WY Station No. 85.034.W

HOUR comm.	MON 31/01	TUE 1/02	WED 2/02	THU 3/02	FRI 4/02	SAT 5/02	SUN 6/02	WEEKDAYS TOTAL	WEEKDAYS MEAN	WEEKDAYS %	WEEKEND (+HOLIDAYS) TOTAL	WEEKEND (+HOLIDAYS) MEAN	WEEKEND (+HOLIDAYS) %	WHOLE WEEK TOTAL	WHOLE WEEK MEAN	WHOLE WEEK %
0	100	100	100	80	90	150	190	470	90	0.51	340	170	1.12	810	120	0.67
1	70	70	70	50	70	90	130	330	70	0.36	220	110	0.73	550	80	0.45
2	60	60	90	50	60	80	80	320	60	0.35	160	80	0.53	480	70	0.39
3	60	80	110	100	90	90	60	440	90	0.48	150	80	0.49	590	80	0.49
4	190	210	210	180	200	140	80	990	200	1.08	220	110	0.73	1210	170	0.99
5	560	590	570	570	560	270	90	2850	570	3.12	360	180	1.19	3210	460	2.64
6	970	1080	1070	980	1030	410	150	5130	1030	5.62	560	280	1.85	5690	810	4.68
7	1400	1440	1450	1300	1250	650	290	6840	1370	7.49	940	470	3.10	7780	1110	6.40
8	1360	1460	1490	1500	1400	930	440	7210	1440	7.90	1370	690	4.52	8580	1230	7.06
9	1100	1200	1180	1280	1170	1150	730	5930	1190	6.50	1880	940	6.20	7810	1120	6.42
10	1060	1040	1030	1040	1100	1360	980	5270	1050	5.77	2340	1170	7.72	7610	1090	6.26
11	990	1060	990	1120	1130	1360	1090	5290	1060	5.79	2450	1230	8.08	7740	1110	6.36
12	1060	1040	1070	1030	1150	1330	1150	5350	1070	5.86	2480	1240	8.18	7830	1120	6.44
13	1020	1050	960	980	1160	1240	1080	5170	1030	5.66	2320	1160	7.65	7490	1070	6.16
14	1130	1220	1190	1160	1280	1170	1040	5980	1200	6.55	2210	1110	7.29	8190	1170	6.73
15	1320	1280	1270	1330	1390	1130	1130	6590	1320	7.22	2260	1130	7.46	8850	1260	7.28
16	1270	1220	1260	1310	1410	1030	1110	6470	1290	7.09	2140	1070	7.06	8610	1230	7.08
17	1120	1150	1210	1250	1230	940	1090	5960	1190	6.53	2030	1020	6.70	7990	1140	6.57
18	920	920	920	1030	1060	840	860	4850	970	5.31	1700	850	5.61	6550	940	5.39
19	620	640	630	810	780	670	650	3480	700	3.81	1320	660	4.35	4800	690	3.95
20	400	450	440	600	540	420	550	2430	490	2.66	970	490	3.20	3400	490	2.80
21	360	400	340	480	380	400	420	1960	390	2.15	820	410	2.71	2780	400	2.29
22	210	230	200	290	270	330	240	1200	240	1.31	570	290	1.88	1770	250	1.46
23	140	130	130	170	220	340	160	790	160	0.87	500	250	1.65	1290	180	1.06
DAY TOT	17490	18120	17980	18690	19020	16520	13790	91300	18260	100.00	30310	15160	100.00	121610	17370	100.00
MAX	1400	1460	1490	1500	1410	1360	1150	AWT =	18260		AWE =	15160		ADT =	17370	

3.3.6 HW6 – Mitre10 at Morisset

HOURLY TRAFFIC VOLUMES SAMPLE Week 30, Year 2004 (commencing Monday 19/07/04)

DORA ST,MR217 MORISSET-E OF MR454,DOYALSON RD Station No. 05.512.E

HOUR comm.	MON 19/07	TUE 20/07	WED 21/07	THU 22/07	FRI 23/07	SAT 24/07	SUN 25/07	WEEKDAYS TOTAL	WEEKDAYS MEAN	WEEKDAYS %	WEEKEND (+HOLIDAYS) TOTAL	WEEKEND (+HOLIDAYS) MEAN	WEEKEND (+HOLIDAYS) %	WHOLE WEEK TOTAL	WHOLE WEEK MEAN	WHOLE WEEK %
0	20	40	40	40	40	60	80	180	40	0.53	140	70	1.07	320	50	0.68
1	20	20	20	30	20	50	40	110	20	0.32	90	50	0.69	200	30	0.42
2	20	10	10	20	10	20	20	70	10	0.21	40	20	0.31	110	20	0.23
3	20	10	20	20	20	30	10	90	20	0.26	40	20	0.31	130	20	0.28
4	30	20	30	30	40	10	20	150	30	0.44	30	20	0.23	180	30	0.38
5	90	80	70	90	80	60	30	410	80	1.20	90	50	0.69	500	70	1.06
6	250	230	270	280	280	120	90	1310	260	3.85	210	110	1.61	1520	220	3.23
7	280	270	300	250	270	160	170	1370	270	4.02	330	170	2.53	1700	240	3.61
8	430	430	430	450	430	270	310	2170	430	6.37	580	290	4.44	2750	390	5.84
9	370	330	350	390	380	460	360	1820	360	5.35	820	410	6.28	2640	380	5.60
10	370	330	370	410	400	550	480	1880	380	5.52	1030	520	7.89	2910	420	6.18
11	370	360	380	350	440	620	570	1900	380	5.58	1190	600	9.11	3090	440	6.56
12	370	340	380	400	470	650	580	1960	390	5.76	1230	620	9.42	3190	460	6.77
13	360	410	430	430	460	590	530	2090	420	6.14	1120	560	8.58	3210	460	6.81
14	430	480	450	520	570	600	550	2450	490	7.20	1150	580	8.81	3600	510	7.64
15	580	660	680	680	690	600	590	3290	660	9.66	1190	600	9.11	4480	640	9.51
16	700	730	780	720	810	550	560	3740	750	10.98	1110	560	8.50	4850	690	10.30
17	650	660	710	690	700	490	450	3410	680	10.01	940	470	7.20	4350	620	9.23
18	360	380	400	470	460	300	270	2070	410	6.08	570	290	4.36	2640	380	5.60
19	200	230	230	280	310	210	160	1250	250	3.67	370	190	2.83	1620	230	3.44
20	130	170	140	190	190	110	120	820	160	2.41	230	120	1.76	1050	150	2.23
21	120	120	120	160	130	140	100	650	130	1.91	240	120	1.84	890	130	1.89
22	90	100	110	120	110	110	80	530	110	1.56	190	100	1.45	720	100	1.53
23	60	60	60	60	90	90	40	330	70	0.97	130	70	1.00	460	70	0.98
DAY TOT	6320	6470	6780	7080	7400	6850	6210	34050	6810	100.00	13060	6530	100.00	47110	6730	100.00
MAX	700	730	780	720	810	650	590	AWT =	6810		AWE =	6530		ADT =	6730	

HOURLY TRAFFIC VOLUMES SAMPLE Week 30, Year 2004 (commencing Monday 19/07/04)

DORA ST,MR217 MORISSET-E OF MR454,DOYALSON RD Station No. 05.512.W

HOUR comm.	MON 19/07	TUE 20/07	WED 21/07	THU 22/07	FRI 23/07	SAT 24/07	SUN 25/07	WEEKDAYS TOTAL	WEEKDAYS MEAN	WEEKDAYS %	WEEKEND (+HOLIDAYS) TOTAL	WEEKEND (+HOLIDAYS) MEAN	WEEKEND (+HOLIDAYS) %	WHOLE WEEK TOTAL	WHOLE WEEK MEAN	WHOLE WEEK %
0	10	10	30	30	30	60	40	110	20	0.32	100	50	0.78	210	30	0.45
1	10	10	20	20	20	30	20	80	20	0.24	50	30	0.39	130	20	0.28
2	20	10	20	20	10	10	10	80	20	0.24	20	10	0.16	100	10	0.21
3	40	10	30	30	30	20	10	140	30	0.41	30	20	0.23	170	20	0.36
4	90	70	80	60	70	40	30	370	70	1.09	70	40	0.54	440	60	0.94
5	240	220	200	200	210	90	50	1070	210	3.16	140	70	1.09	1210	170	2.59
6	460	440	470	450	450	160	80	2270	450	6.70	240	120	1.86	2510	360	5.37
7	680	630	640	650	620	260	140	3220	640	9.50	400	200	3.10	3620	520	7.74
8	580	630	610	660	630	470	300	3110	620	9.18	770	390	5.97	3880	550	8.29
9	500	470	490	490	500	640	460	2450	490	7.23	1100	550	8.53	3550	510	7.59
10	460	430	490	460	460	730	590	2300	460	6.79	1320	660	10.23	3620	520	7.74
11	420	400	400	390	450	700	730	2060	410	6.08	1430	720	11.09	3490	500	7.46
12	360	360	410	390	430	590	650	1950	390	5.76	1240	620	9.61	3190	460	6.82
13	350	360	430	440	460	500	550	2040	410	6.02	1050	530	8.14	3090	440	6.61
14	380	390	470	450	510	490	570	2200	440	6.49	1060	530	8.22	3260	470	6.97
15	460	490	520	570	560	440	560	2600	520	7.67	1000	500	7.75	3600	510	7.70
16	430	420	450	500	530	360	400	2330	470	6.88	760	380	5.89	3090	440	6.61
17	340	360	370	460	450	370	350	1980	400	5.84	720	360	5.58	2700	390	5.77
18	210	240	240	270	280	240	220	1240	250	3.66	460	230	3.57	1700	240	3.63
19	120	140	130	170	190	140	150	750	150	2.21	290	150	2.25	1040	150	2.22
20	70	110	110	120	150	120	110	560	110	1.65	230	120	1.78	790	110	1.69
21	80	90	90	80	110	100	70	450	90	1.33	170	90	1.32	620	90	1.33
22	40	60	40	70	60	80	60	270	50	0.80	140	70	1.09	410	60	0.88
23	30	40	40	60	80	80	30	250	50	0.74	110	60	0.85	360	50	0.77
DAY TOT	6380	6390	6780	7040	7290	6720	6180	33880	6780	100.00	12900	6450	100.00	46780	6680	100.00
MAX	680	630	640	660	630	730	730	AWT =	6780		AWE =	6450		ADT =	6680	

3.3.7 HW7 – Mitre10 at Picton

Job No	N147
Client	
Road	Remembrance Drv (North of Wood St)
Location	Picton
Site No.	4
Start Date	06-Apr-09
Description	Volume Summary
Direction	Combined

Average Weekday	12,648
7 Day Average	11,110

Time	Day of Week							Ave W'day	7 Day Ave
	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
	06-Apr	07-Apr	08-Apr	09-Apr	10-Apr	11-Apr	12-Apr		
AM Peak	1007	1100	1087	1079	488	793	565		
PM Peak	1229	1250	1251	1301	556	795	614		
0:00	40	65	64	77	102	84	134	70	81
1:00	21	52	42	50	79	41	75	49	51
2:00	23	41	36	39	45	25	35	37	35
3:00	21	21	22	22	43	29	27	26	26
4:00	59	48	57	57	30	26	31	50	44
5:00	140	156	140	160	28	40	26	125	99
6:00	407	418	435	418	62	82	45	348	267
7:00	650	721	719	663	95	133	75	570	437
8:00	824	870	831	776	162	244	116	693	546
9:00	1007	1100	1087	976	245	424	236	883	725
10:00	950	980	1015	1079	383	664	402	881	782
11:00	865	794	890	940	488	793	565	795	762
12:00	767	751	836	857	556	795	614	753	739
13:00	775	765	883	883	536	790	536	768	738
14:00	829	835	841	842	528	626	432	775	705
15:00	831	931	943	1019	436	585	439	832	741
16:00	1166	1233	1251	1301	402	515	474	1071	906
17:00	1229	1250	1232	1198	423	576	480	1066	913
18:00	1063	1204	1197	1087	491	495	455	1008	856
19:00	722	903	888	818	369	440	380	740	646
20:00	407	508	466	588	191	253	260	432	382
21:00	234	273	324	377	179	199	222	277	258
22:00	170	222	224	340	160	184	143	223	206
23:00	171	181	171	206	145	174	110	175	165
Total	13371	14322	14594	14773	6178	8217	6312	12648	11110

7-19	10956	11434	11725	11621	4745	6640	4824	10096	8849
6-22	12726	13536	13838	13822	5546	7614	5731	11894	10402
6-24	13067	13939	14233	14368	5851	7972	5984	12292	10773
0-24	13371	14322	14594	14773	6178	8217	6312	12648	11110

3.3.8 HW8 – Bunnings at South Nowra

Job No	N147
Client	
Road	Princes Hwy (200m south of Nowra Hill Rd)
Location	South Nowra
Site No.	3
Start Date	18-Mar-09
Description	Volume Summary
Direction	Combined

Average Weekday	16,012
7 Day Average	16,981

Time	Day of Week							Ave W'day	7 Day Ave
	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
	23-Mar	24-Mar	18-Mar	19-Mar	20-Mar	21-Mar	22-Mar		
AM Peak	1779	1857	0	1844	1788	1922	1833		
PM Peak	1887	0	1463	1910	2240	1868	1982		
0:00	32	67	0	40	84	121	140	45	69
1:00	38	34	0	35	55	79	94	32	48
2:00	41	36	0	34	34	45	34	29	32
3:00	73	41	0	53	47	42	40	43	42
4:00	139	107	0	120	113	73	45	96	85
5:00	294	327	0	361	327	151	116	262	225
6:00	946	938	0	912	926	356	227	744	615
7:00	1286	1344	0	1353	1258	624	389	1048	893
8:00	1779	1857	0	1844	1786	1139	617	1453	1289
9:00	1431	1526	0	1618	1699	1483	1179	1255	1277
10:00	1488	0	0	1577	1788	1776	1643	971	1182
11:00	1539	0	0	1524	1748	1922	1833	962	1224
12:00	1525	0	0	1392	1817	1868	1724	947	1189
13:00	1433	0	0	1534	1960	1655	1856	985	1205
14:00	1591	0	0	1683	2083	1510	1944	1071	1259
15:00	1887	0	0	1895	2240	1518	1982	1204	1360
16:00	1783	0	0	1910	2087	1251	1761	1156	1256
17:00	1585	0	1463	1667	1917	1105	1309	1326	1292
18:00	787	0	905	1052	1417	900	916	832	854
19:00	454	0	555	643	1097	552	600	550	557
20:00	328	0	404	501	809	388	409	408	406
21:00	236	0	272	381	595	370	238	297	299
22:00	168	0	187	207	386	292	174	190	202
23:00	96	0	96	129	204	213	105	105	120
Total	20959	6277	3882	22465	26477	19433	19375	16012	16981

7-19	18114	4727	2368	19049	21800	16751	17153	13212	14280
6-22	20078	5665	3599	21486	25227	18417	18627	15211	16157
6-24	20342	5665	3882	21822	25817	18922	18906	15506	16479
0-24	20959	6277	3882	22465	26477	19433	19375	16012	16981

3.3.9 HW9 – Mitre10 at Orange

HOURLY TRAFFIC VOLUMES SAMPLE Week 36, Year 2005 (commencing Monday 5/09/05)

SUMMER ST,SH7 ORANGE-AT LEVEL CROSSING Station No. 93.229.E

HOUR comm.	MON 5/09	TUE 6/09	WED 7/09	THU 8/09	FRI 9/09	SAT 10/09	SUN 11/09	WEEKDAYS TOTAL	WEEKDAYS MEAN	WEEKDAYS %	WEEKEND (+HOLIDAYS) TOTAL	WEEKEND (+HOLIDAYS) MEAN	WEEKEND (+HOLIDAYS) %	WHOLE WEEK TOTAL	WHOLE WEEK MEAN	WHOLE WEEK %
0	20	30	40	60	60	80	80	210	40	0.41	160	80	0.95	370	50	0.54
1	50	40	20	40	50	50	40	200	40	0.39	90	50	0.53	290	40	0.42
2	30	30	20	20	50	40	50	150	30	0.29	90	50	0.53	240	30	0.35
3	20	30	40	20	50	60	40	160	30	0.31	100	50	0.59	260	40	0.38
4	30	50	40	40	50	50	40	210	40	0.41	90	50	0.53	300	40	0.44
5	100	110	120	130	80	80	50	540	110	1.04	130	70	0.77	670	100	0.98
6	150	190	190	180	200	120	70	910	180	1.76	190	100	1.12	1100	160	1.60
7	360	380	380	390	410	210	140	1920	380	3.71	350	180	2.07	2270	320	3.31
8	710	690	710	700	730	420	230	3540	710	6.85	650	330	3.84	4190	600	6.11
9	560	600	670	620	660	660	440	3110	620	6.02	1100	550	6.50	4210	600	6.14
10	580	560	610	680	700	710	580	3130	630	6.06	1290	650	7.62	4420	630	6.44
11	640	630	690	710	710	900	760	3380	680	6.54	1660	830	9.81	5040	720	7.34
12	710	780	780	780	870	840	770	3920	780	7.58	1610	810	9.51	5530	790	8.06
13	750	770	740	810	890	770	660	3960	790	7.66	1430	720	8.45	5390	770	7.85
14	690	690	750	710	840	710	700	3680	740	7.12	1410	710	8.33	5090	730	7.42
15	750	800	870	880	980	740	670	4280	860	8.28	1410	710	8.33	5690	810	8.29
16	820	830	880	890	910	660	590	4330	870	8.38	1250	630	7.38	5580	800	8.13
17	810	890	890	880	1000	520	490	4470	890	8.65	1010	510	5.97	5480	780	7.99
18	560	600	630	710	790	480	460	3290	660	6.36	940	470	5.55	4230	600	6.16
19	340	360	470	550	530	380	290	2250	450	4.35	670	340	3.96	2920	420	4.26
20	230	250	310	390	400	270	210	1580	320	3.06	480	240	2.84	2060	290	3.00
21	190	220	230	300	270	200	180	1210	240	2.34	380	190	2.24	1590	230	2.32
22	110	150	150	190	220	190	90	820	160	1.59	280	140	1.65	1100	160	1.60
23	50	70	80	100	140	110	50	440	90	0.85	160	80	0.95	600	90	0.87
DAY TOT	9260	9750	10310	10780	11590	9250	7680	51690	10340	100.00	16930	8470	100.00	68620	9800	100.00
MAX	820	890	890	890	1000	900	770	AWT =	10340		AWE =	8470		ADT =	9800	

HOURLY TRAFFIC VOLUMES SAMPLE Week 36, Year 2005 (commencing Monday 5/09/05)

SUMMER ST,SH7 ORANGE-AT LEVEL CROSSING Station No. 93.229.W

HOUR comm.	MON 5/09	TUE 6/09	WED 7/09	THU 8/09	FRI 9/09	SAT 10/09	SUN 11/09	WEEKDAYS TOTAL	WEEKDAYS MEAN	WEEKDAYS %	WEEKEND (+HOLIDAYS) TOTAL	WEEKEND (+HOLIDAYS) MEAN	WEEKEND (+HOLIDAYS) %	WHOLE WEEK TOTAL	WHOLE WEEK MEAN	WHOLE WEEK %
0	30	50	50	60	60	110	90	250	50	0.59	200	100	1.37	450	60	0.79
1	30	60	60	40	50	70	40	240	50	0.56	110	60	0.75	350	50	0.61
2	30	30	50	40	60	80	40	210	40	0.49	120	60	0.82	330	50	0.58
3	10	40	50	40	60	60	20	200	40	0.47	80	40	0.55	280	40	0.49
4	40	60	60	50	80	60	30	290	60	0.68	90	50	0.62	380	50	0.66
5	70	100	100	120	100	80	50	490	100	1.15	130	70	0.89	620	90	1.08
6	160	180	170	180	160	110	60	850	170	1.99	170	90	1.16	1020	150	1.78
7	280	330	310	340	310	170	110	1570	310	3.68	280	140	1.92	1850	260	3.23
8	530	590	540	530	530	390	180	2720	540	6.38	570	290	3.90	3290	470	5.75
9	500	520	510	590	560	560	340	2680	540	6.29	900	450	6.16	3580	510	6.25
10	480	500	540	540	530	730	490	2590	520	6.07	1220	610	8.36	3810	540	6.66
11	480	500	560	570	560	840	590	2670	530	6.26	1430	720	9.79	4100	590	7.16
12	610	660	670	640	710	740	620	3290	660	7.72	1360	680	9.32	4650	660	8.12
13	620	640	680	670	710	670	510	3320	660	7.79	1180	590	8.08	4500	640	7.86
14	580	530	600	560	660	580	580	2930	590	6.87	1160	580	7.95	4090	580	7.15
15	660	640	660	680	760	590	570	3400	680	7.97	1160	580	7.95	4560	650	7.97
16	640	660	660	660	810	490	510	3430	690	8.04	1000	500	6.85	4430	630	7.74
17	560	620	660	640	700	460	410	3180	640	7.46	870	440	5.96	4050	580	7.08
18	430	450	430	560	600	410	440	2470	490	5.79	850	430	5.82	3320	470	5.80
19	270	320	370	430	530	290	240	1920	380	4.50	530	270	3.63	2450	350	4.28
20	210	200	300	300	420	210	200	1430	290	3.35	410	210	2.81	1840	260	3.21
21	170	180	260	260	290	190	160	1160	230	2.72	350	180	2.40	1510	220	2.64
22	120	110	150	170	220	170	90	770	150	1.81	260	130	1.78	1030	150	1.80
23	90	110	110	110	160	130	40	580	120	1.36	170	90	1.16	750	110	1.31
DAY TOT	7600	8080	8550	8780	9630	8190	6410	42640	8530	100.00	14600	7300	100.00	57240	8180	100.00
MAX	660	660	680	680	810	840	620	AWT =	8530		AWE =	7300		ADT =	8180	

3.3.10 BG1 – Freedom/Sleepcity at Balgowlah

HOURLY TRAFFIC VOLUMES SAMPLE Week 30, Year 2005 (commencing Monday 25/07/05)

BURNT BRIDGE CK DV,MR164 BALGOWLAH-AT BURNT BRIDGE CK Station No. 55.194.N

HOUR	MON	TUE	WED	THU	FRI	SAT	SUN	WEEKDAYS			WEEKEND (+HOLIDAYS)			WHOLE WEEK		
comm.	25/07	26/07	27/07	28/07	29/07	30/07	31/07	TOTAL	MEAN	%	TOTAL	MEAN	%	TOTAL	MEAN	%
0	110	120	210	170	190	400	460	800	160	0.65	860	430	2.15	1660	240	1.02
1	50	50	80	90	120	240	330	390	80	0.32	570	290	1.43	960	140	0.59
2	50	40	60	50	90	160	180	290	60	0.24	340	170	0.85	630	90	0.39
3	40	40	50	50	70	120	160	250	50	0.20	280	140	0.70	530	80	0.32
4	80	70	50	80	90	80	110	370	70	0.30	190	100	0.48	560	80	0.34
5	180	180	190	190	180	120	110	920	180	0.75	230	120	0.58	1150	160	0.70
6	660	640	740	680	720	430	210	3440	690	2.79	640	320	1.60	4080	580	2.50
7	1130	1120	1150	1190	1110	670	400	5700	1140	4.63	1070	540	2.68	6770	970	4.15
8	1720	1730	1700	1720	1690	1110	520	8560	1710	6.95	1630	820	4.08	10190	1460	6.25
9	1480	1450	1560	1560	1600	1460	1030	7650	1530	6.21	2490	1250	6.23	10140	1450	6.22
10	1320	1330	1430	1400	1380	1710	1290	6860	1370	5.57	3000	1500	7.51	9860	1410	6.04
11	1400	1400	1370	1470	1530	1750	1580	7170	1430	5.82	3330	1670	8.33	10500	1500	6.44
12	1380	1400	1510	1400	1570	1760	1610	7260	1450	5.89	3370	1690	8.43	10630	1520	6.52
13	1420	1430	1420	1430	1570	1730	1420	7270	1450	5.90	3150	1580	7.88	10420	1490	6.39
14	1510	1510	1460	1640	1620	1770	1510	7740	1550	6.28	3280	1640	8.21	11020	1570	6.75
15	1860	1910	2010	2030	2080	1650	1360	9890	1980	8.03	3010	1510	7.53	12900	1840	7.91
16	1910	1890	1980	2040	2010	1390	1290	9830	1970	7.98	2680	1340	6.71	12510	1790	7.67
17	2010	2020	2010	2120	1970	1310	1240	10130	2030	8.22	2550	1280	6.38	12680	1810	7.77
18	1910	2010	1980	2130	1780	1150	1000	9810	1960	7.96	2150	1080	5.38	11960	1710	7.33
19	1110	1310	1360	1460	1220	790	660	6460	1290	5.24	1450	730	3.63	7910	1130	4.85
20	720	880	800	980	720	500	540	4100	820	3.33	1040	520	2.60	5140	730	3.15
21	550	690	740	810	580	470	460	3370	670	2.74	930	470	2.33	4300	610	2.64
22	400	590	650	680	600	630	340	2920	580	2.37	970	490	2.43	3890	560	2.38
23	220	340	370	450	620	540	210	2000	400	1.62	750	380	1.88	2750	390	1.69
DAY TOT	23220	24150	24880	25820	25110	21940	18020	123180	24640	100.00	39960	19980	100.00	163140	23310	100.00
MAX	2010	2020	2010	2130	2080	1770	1610	AWT =	24640		AWE =	19980		ADT =	23310	

HOURLY TRAFFIC VOLUMES SAMPLE Week 30, Year 2005 (commencing Monday 25/07/05)

BURNT BRIDGE CK DV,MR164 BALGOWLAH-AT BURNT BRIDGE CK Station No. 55.194.S

HOUR	MON	TUE	WED	THU	FRI	SAT	SUN	WEEKDAYS			WEEKEND (+HOLIDAYS)			WHOLE WEEK		
comm.	25/07	26/07	27/07	28/07	29/07	30/07	31/07	TOTAL	MEAN	%	TOTAL	MEAN	%	TOTAL	MEAN	%
0	60	70	100	110	120	240	250	460	90	0.39	490	250	1.27	950	140	0.61
1	40	40	50	50	80	160	160	260	50	0.22	320	160	0.83	580	80	0.37
2	20	40	50	30	70	120	120	210	40	0.18	240	120	0.62	450	60	0.29
3	50	50	60	50	60	90	100	270	50	0.23	190	100	0.49	460	70	0.30
4	120	120	100	120	130	80	110	590	120	0.51	190	100	0.49	780	110	0.50
5	490	470	500	480	500	240	160	2440	490	2.09	400	200	1.04	2840	410	1.83
6	1580	1660	1690	1610	1500	570	310	8040	1610	6.89	880	440	2.28	8920	1270	5.75
7	1780	1750	1780	1840	1750	750	350	8900	1780	7.63	1100	550	2.85	10000	1430	6.44
8	1620	1680	1700	1670	1700	1070	600	8370	1670	7.17	1670	840	4.33	10040	1430	6.47
9	1580	1660	1630	1710	1690	1300	880	8270	1650	7.09	2180	1090	5.65	10450	1490	6.73
10	1370	1450	1400	1440	1540	1560	1280	7200	1440	6.17	2840	1420	7.37	10040	1430	6.47
11	1400	1490	1530	1480	1550	1740	1550	7450	1490	6.38	3290	1650	8.53	10740	1530	6.92
12	1380	1490	1510	1490	1540	1800	1560	7410	1480	6.35	3360	1680	8.72	10770	1540	6.94
13	1350	1400	1420	1500	1510	1630	1420	7180	1440	6.15	3050	1530	7.91	10230	1460	6.59
14	1410	1380	1430	1460	1590	1540	1350	7270	1450	6.23	2890	1450	7.50	10160	1450	6.55
15	1490	1610	1550	1700	1650	1720	1480	8000	1600	6.86	3200	1600	8.30	11200	1600	7.22
16	1490	1490	1570	1540	1550	1650	1470	7640	1530	6.55	3120	1560	8.09	10760	1540	6.93
17	1560	1600	1590	1650	1650	1700	1230	8050	1610	6.90	2930	1470	7.60	10980	1570	7.07
18	990	1100	1190	1280	1210	1120	880	5770	1150	4.95	2000	1000	5.19	7770	1110	5.01
19	670	790	810	1010	920	920	510	4200	840	3.60	1430	720	3.71	5630	800	3.63
20	560	610	610	840	540	500	380	3160	630	2.71	880	440	2.28	4040	580	2.60
21	420	500	560	730	490	400	360	2700	540	2.31	760	380	1.97	3460	490	2.23
22	280	340	390	380	330	410	230	1720	340	1.47	640	320	1.66	2360	340	1.52
23	110	190	220	240	360	380	120	1120	220	0.96	500	250	1.30	1620	230	1.04
DAY TOT	21820	22980	23440	24410	24030	21690	16860	116680	23340	100.00	38550	19280	100.00	155230	22180	100.00
MAX	1780	1750	1780	1840	1750	1800	1560	AWT =	23340		AWE =	19280		ADT =	22180	

3.3.11 BG2 – Harvey Norman at Auburn

AVERAGE PROFILE OF HOURLY TRAFFIC VOLUME Year 2007 Station No. 49.002.E

PARRAMATTA RD,SH5 GRANVILLE-AT DUCK RIVER BRIDGE

HOUR	WEEKDAYS			WEEKENDS			ALL DAYS		
Comm.	MEAN	DEV.	No.	MEAN	DEV.	No.	MEAN	DEV.	No.
0	282	37	242	504	56	98	347	109	348
1	218	31	242	335	35	98	253	63	348
2	226	24	242	275	34	98	240	37	348
3	276	19	242	253	44	98	268	32	348
4	446	30	242	281	70	98	395	90	348
5	1155	68	242	510	166	98	955	321	348
6	2010	116	242	682	264	98	1600	644	348
7	2179	118	242	682	246	98	1717	717	348
8	2188	103	242	1055	313	98	1832	573	348
9	1909	118	242	1383	221	98	1738	311	348
10	1783	76	241	1668	182	98	1738	156	347
11	1822	76	242	1896	152	98	1834	131	348
12	1818	81	242	1993	126	98	1861	140	348
13	1814	83	242	1963	129	98	1848	137	348
14	1890	77	242	1839	156	98	1866	129	348
15	2016	84	241	1733	152	98	1921	189	347
16	2005	91	241	1628	160	98	1881	227	347
17	2096	102	241	1586	189	98	1933	284	347
18	1561	114	241	1265	158	98	1465	195	347
19	1083	128	241	1005	103	98	1056	129	347
20	913	111	241	897	89	98	906	106	347
21	911	113	241	881	93	98	900	109	347
22	740	99	241	818	176	98	761	132	347
23	509	109	241	610	192	98	536	146	347
	AWT			AWE			ADT		
TOTAL	31850			25742			29851		

AVERAGE PROFILE OF HOURLY TRAFFIC VOLUME Year 2007 Station No. 49.002.W

PARRAMATTA RD,SH5 GRANVILLE-AT DUCK RIVER BRIDGE

HOUR	WEEKDAYS			WEEKENDS			ALL DAYS		
Comm.	MEAN	DEV.	No.	MEAN	DEV.	No.	MEAN	DEV.	No.
0	432	74	242	722	82	98	517	152	348
1	280	45	242	503	59	98	348	119	348
2	217	35	242	401	58	98	273	102	348
3	233	27	242	326	37	98	261	54	348
4	328	26	242	296	32	98	318	32	348
5	710	48	242	390	98	98	611	164	348
6	1402	87	242	601	219	98	1154	401	348
7	1800	83	242	681	228	98	1454	542	348
8	1907	102	242	916	295	98	1596	506	348
9	1670	85	242	1178	262	98	1510	296	348
10	1685	76	241	1478	230	98	1611	191	347
11	1756	71	242	1732	203	98	1738	149	348
12	1827	73	242	1869	126	98	1829	120	348
13	1921	82	242	1885	119	98	1900	122	348
14	2007	75	242	1891	125	98	1963	131	348
15	2028	104	241	1865	141	98	1970	157	347
16	2090	125	241	1797	118	98	1992	200	347
17	2150	119	241	1807	122	98	2037	216	347
18	1903	186	241	1449	124	98	1760	275	347
19	1388	142	241	1126	115	98	1305	184	347
20	1081	132	241	959	86	98	1042	135	347
21	1051	132	241	928	96	98	1013	136	347
22	942	165	241	921	184	98	934	173	347
23	755	157	241	780	215	98	760	178	347
	AWT			AWE			ADT		
TOTAL	31563			26501			29896		

3.3.12 BG3 – Retravision at Springwood

HOURLY TRAFFIC VOLUMES SAMPLE Week 9, Year 2005 (commencing Monday 28/02/05)

GT WESTERN HWY,SH5 SPRINGWOOD-W OF GEORGE ST Station No. 99.933.E

HOUR comm.	MON 28/02	TUE 1/03	WED 2/03	THU 3/03	FRI 4/03	SAT 5/03	SUN 6/03	WEEKDAYS TOTAL	WEEKDAYS MEAN	WEEKDAYS %	WEEKEND (+HOLIDAYS) TOTAL	WEEKEND (+HOLIDAYS) MEAN	WEEKEND (+HOLIDAYS) %	WHOLE WEEK TOTAL	WHOLE WEEK MEAN	WHOLE WEEK %
0	120	70	80	80	110	110	150	460	90	0.55	260	130	0.84	720	100	0.63
1	50	70	80	60	80	70	80	340	70	0.41	150	80	0.48	490	70	0.43
2	70	60	60	60	100	50	70	350	70	0.42	120	60	0.39	470	70	0.41
3	120	100	100	140	120	60	30	580	120	0.70	90	50	0.29	670	100	0.59
4	270	200	210	220	230	120	50	1130	230	1.36	170	90	0.55	1300	190	1.14
5	580	540	570	580	590	230	110	2860	570	3.44	340	170	1.10	3200	460	2.80
6	1030	1040	1090	1050	960	340	240	5170	1030	6.23	580	290	1.87	5750	820	5.04
7	1600	1570	1580	1500	1440	590	330	7690	1540	9.26	920	460	2.96	8610	1230	7.55
8	1590	1580	1600	1560	1530	790	520	7860	1570	9.46	1310	660	4.22	9170	1310	8.04
9	1020	1050	1110	1140	1040	1010	890	5360	1070	6.45	1900	950	6.12	7260	1040	6.36
10	910	850	930	940	1000	1180	950	4630	930	5.57	2130	1070	6.86	6760	970	5.92
11	860	800	850	870	950	1130	1110	4330	870	5.21	2240	1120	7.21	6570	940	5.76
12	770	830	820	770	940	1040	1080	4130	830	4.97	2120	1060	6.83	6250	890	5.48
13	740	750	870	750	970	1000	1160	4080	820	4.91	2160	1080	6.96	6240	890	5.47
14	880	900	920	950	1010	1130	1240	4660	930	5.61	2370	1190	7.63	7030	1000	6.16
15	1000	1110	1130	1110	1170	1100	1410	5520	1100	6.65	2510	1260	8.08	8030	1150	7.04
16	1070	1090	1150	1100	1230	1060	1470	5640	1130	6.79	2530	1270	8.15	8170	1170	7.16
17	1030	1190	1080	1170	1120	1410	1430	5590	1120	6.73	2840	1420	9.15	8430	1200	7.39
18	730	790	790	860	1000	830	1280	4170	830	5.02	2110	1060	6.80	6280	900	5.50
19	550	580	540	570	700	510	890	2940	590	3.54	1400	700	4.51	4340	620	3.80
20	420	400	340	400	410	340	680	1970	390	2.37	1020	510	3.29	2990	430	2.62
21	300	370	310	320	340	330	490	1640	330	1.97	820	410	2.64	2460	350	2.16
22	230	210	190	220	330	280	280	1180	240	1.42	560	280	1.80	1740	250	1.52
23	160	140	130	130	210	220	180	770	150	0.93	400	200	1.29	1170	170	1.03
DAY TOT	16100	16290	16530	16550	17580	14930	16120	83050	16610	100.00	31050	15530	100.00	114100	16300	100.00
MAX	1600	1580	1600	1560	1530	1410	1470	AWT =	16610		AWE =	15530		ADT =	16300	

HOURLY TRAFFIC VOLUMES SAMPLE Week 9, Year 2005 (commencing Monday 28/02/05)

GT WESTERN HWY,SH5 SPRINGWOOD-W OF GEORGE ST Station No. 99.933.W

HOUR comm.	MON 28/02	TUE 1/03	WED 2/03	THU 3/03	FRI 4/03	SAT 5/03	SUN 6/03	WEEKDAYS TOTAL	WEEKDAYS MEAN	WEEKDAYS %	WEEKEND (+HOLIDAYS) TOTAL	WEEKEND (+HOLIDAYS) MEAN	WEEKEND (+HOLIDAYS) %	WHOLE WEEK TOTAL	WHOLE WEEK MEAN	WHOLE WEEK %
0	80	110	120	160	130	230	230	600	120	0.74	460	230	1.60	1060	150	0.96
1	50	80	90	100	90	150	120	410	80	0.50	270	140	0.94	680	100	0.62
2	50	60	70	80	60	70	100	320	60	0.39	170	90	0.59	490	70	0.44
3	80	80	80	70	80	90	50	390	80	0.48	140	70	0.49	530	80	0.48
4	130	90	110	90	100	100	50	520	100	0.64	150	80	0.52	670	100	0.61
5	240	220	210	250	190	220	120	1110	220	1.36	340	170	1.18	1450	210	1.31
6	500	540	580	510	530	470	210	2660	530	3.26	680	340	2.36	3340	480	3.03
7	800	790	730	740	700	660	310	3760	750	4.61	970	490	3.37	4730	680	4.29
8	990	880	910	860	880	950	500	4520	900	5.55	1450	730	5.03	5970	850	5.41
9	790	870	880	780	960	970	730	4280	860	5.25	1700	850	5.90	5980	850	5.42
10	860	800	840	810	970	1180	1070	4280	860	5.25	2250	1130	7.81	6530	930	5.92
11	880	830	810	850	950	1320	1200	4320	860	5.30	2520	1260	8.75	6840	980	6.20
12	840	760	770	790	900	1240	1170	4060	810	4.98	2410	1210	8.37	6470	920	5.87
13	800	770	800	800	980	1110	980	4150	830	5.09	2090	1050	7.25	6240	890	5.66
14	910	790	900	950	1150	1070	950	4700	940	5.77	2020	1010	7.01	6720	960	6.09
15	1250	1270	1240	1200	1560	990	950	6520	1300	8.00	1940	970	6.73	8460	1210	7.67
16	1460	1430	1440	1490	1710	970	1100	7530	1510	9.24	2070	1040	7.19	9600	1370	8.70
17	1650	1690	1540	1330	1810	910	1020	8020	1600	9.84	1930	970	6.70	9950	1420	9.02
18	1210	1300	1230	1280	1600	740	820	6620	1320	8.12	1560	780	5.41	8180	1170	7.42
19	770	760	710	840	1110	530	640	4190	840	5.14	1170	590	4.06	5360	770	4.86
20	490	530	490	640	680	340	500	2830	570	3.47	840	420	2.92	3670	520	3.33
21	440	490	430	510	570	310	350	2440	490	2.99	660	330	2.29	3100	440	2.81
22	330	360	360	460	450	310	270	1960	390	2.41	580	290	2.01	2540	360	2.30
23	210	260	210	250	360	270	170	1290	260	1.58	440	220	1.53	1730	250	1.57
DAY TOT	15810	15760	15550	15840	18520	15200	13610	81480	16300	100.00	28810	14410	100.00	110290	15760	100.00
MAX	1650	1690	1540	1490	1810	1320	1200	AWT =	16300		AWE =	14410		ADT =	15760	

3.3.13 BG4 – Domayne at Kotara

HOURLY TRAFFIC VOLUMES SAMPLE Week 44, Year 2004 (commencing Monday 25/10/04)

NORTHCOTT DR,MR326 KOTARA-N OF PARK AV Station No. 05.912.N

HOUR comm.	MON 25/10	TUE 26/10	WED 27/10	THU 28/10	FRI 29/10	SAT 30/10	SUN 31/10	WEEKDAYS TOTAL	WEEKDAYS MEAN	WEEKDAYS %	WEEKEND (+HOLIDAYS) TOTAL	WEEKEND (+HOLIDAYS) MEAN	WEEKEND (+HOLIDAYS) %	WHOLE WEEK TOTAL	WHOLE WEEK MEAN	WHOLE WEEK %
0	30	30	30	30	30	70	100	150	30	0.18	170	90	0.59	320	50	0.28
1	20	10	30	20	20	30	40	100	20	0.12	70	40	0.24	170	20	0.15
2	10	10	10	20	20	30	20	70	10	0.08	50	30	0.17	120	20	0.11
3	10	10	20	30	30	20	20	100	20	0.12	40	20	0.14	140	20	0.12
4	50	50	40	40	50	30	30	230	50	0.27	60	30	0.21	290	40	0.25
5	170	180	180	190	180	80	50	900	180	1.05	130	70	0.45	1030	150	0.90
6	430	440	480	490	470	170	80	2310	460	2.70	250	130	0.87	2560	370	2.24
7	770	820	850	890	820	310	110	4150	830	4.84	420	210	1.47	4570	650	4.00
8	1240	1220	1250	1260	1260	700	300	6230	1250	7.27	1000	500	3.50	7230	1030	6.33
9	1000	1020	1140	1070	1160	1050	550	5390	1080	6.29	1600	800	5.60	6990	1000	6.12
10	1100	1160	1040	1170	1260	1500	860	5730	1150	6.69	2360	1180	8.25	8090	1160	7.08
11	1230	1220	1290	1250	1390	1590	1150	6380	1280	7.45	2740	1370	9.58	9120	1300	7.98
12	1310	1220	1300	1300	1460	1740	1310	6590	1320	7.69	3050	1530	10.67	9640	1380	8.44
13	1280	1030	1200	1350	1470	1510	1340	6330	1270	7.39	2850	1430	9.97	9180	1310	8.03
14	1390	1000	1340	1340	1460	1530	1320	6530	1310	7.62	2850	1430	9.97	9380	1340	8.21
15	1470	1010	1490	1470	1630	1500	1400	7070	1410	8.25	2900	1450	10.14	9970	1420	8.72
16	1490	1280	1410	1500	1590	1400	1200	7270	1450	8.49	2600	1300	9.09	9870	1410	8.64
17	1480	1090	1380	1470	1540	970	780	6960	1390	8.12	1750	880	6.12	8710	1240	7.62
18	800	750	860	1300	1010	800	540	4720	940	5.51	1340	670	4.69	6060	870	5.30
19	510	430	550	1170	710	510	370	3370	670	3.93	880	440	3.08	4250	610	3.72
20	330	280	300	930	390	290	300	2230	450	2.60	590	300	2.06	2820	400	2.47
21	230	220	250	630	280	220	210	1610	320	1.88	430	220	1.50	2040	290	1.79
22	110	130	180	170	260	160	100	850	170	0.99	260	130	0.91	1110	160	0.97
23	60	60	90	70	130	150	50	410	80	0.48	200	100	0.70	610	90	0.53
DAY TOT	16520	14670	16710	19160	18620	16360	12230	85680	17140	100.00	28590	14300	100.00	114270	16320	100.00
MAX	1490	1280	1490	1500	1630	1740	1400	AWT =	17140		AWE =	14300		ADT =	16320	

HOURLY TRAFFIC VOLUMES SAMPLE Week 44, Year 2004 (commencing Monday 25/10/04)

NORTHCOTT DR,MR326 KOTARA-N OF PARK AV Station No. 05.912.S

HOUR comm.	MON 25/10	TUE 26/10	WED 27/10	THU 28/10	FRI 29/10	SAT 30/10	SUN 31/10	WEEKDAYS TOTAL	WEEKDAYS MEAN	WEEKDAYS %	WEEKEND (+HOLIDAYS) TOTAL	WEEKEND (+HOLIDAYS) MEAN	WEEKEND (+HOLIDAYS) %	WHOLE WEEK TOTAL	WHOLE WEEK MEAN	WHOLE WEEK %
0	30	30	20	30	50	70	90	160	30	0.21	160	80	0.63	320	50	0.31
1	20	20	20	20	20	50	70	100	20	0.13	120	60	0.47	220	30	0.21
2	10	10	10	20	20	30	40	70	10	0.09	70	40	0.27	140	20	0.14
3	20	20	20	20	30	30	50	110	20	0.14	80	40	0.31	190	30	0.19
4	40	40	40	50	50	20	30	220	40	0.29	50	30	0.20	270	40	0.26
5	80	80	90	100	80	40	50	430	90	0.56	90	50	0.35	520	70	0.51
6	220	240	270	260	260	120	50	1250	250	1.63	170	90	0.67	1420	200	1.39
7	530	560	580	600	580	300	120	2850	570	3.71	420	210	1.65	3270	470	3.19
8	1220	1110	1180	1190	1250	810	280	5950	1190	7.74	1090	550	4.28	7040	1010	6.88
9	1050	1100	1140	1170	1250	1200	690	5710	1140	7.43	1890	950	7.42	7600	1090	7.42
10	1080	1070	1120	1150	1270	1510	950	5690	1140	7.40	2460	1230	9.66	8150	1160	7.96
11	1170	1120	1200	1180	1330	1630	1180	6000	1200	7.80	2810	1410	11.04	8810	1260	8.61
12	1190	1000	1110	1150	1270	1450	1230	5720	1140	7.44	2680	1340	10.53	8400	1200	8.21
13	1100	880	1070	1140	1270	1350	1220	5460	1090	7.10	2570	1290	10.09	8030	1150	7.84
14	1130	930	1120	1160	1260	1150	1180	5600	1120	7.28	2330	1170	9.15	7930	1130	7.75
15	1470	1020	1410	1430	1590	1040	950	6920	1380	9.00	1990	1000	7.82	8910	1270	8.70
16	1310	1270	1290	1530	1350	850	690	6750	1350	8.78	1540	770	6.05	8290	1180	8.10
17	1180	970	1130	1580	1050	790	630	5910	1180	7.69	1420	710	5.58	7330	1050	7.16
18	700	630	790	1290	830	640	530	4240	850	5.51	1170	590	4.60	5410	770	5.29
19	530	420	540	900	670	460	350	3060	610	3.98	810	410	3.18	3870	550	3.78
20	400	340	320	490	420	250	270	1970	390	2.56	520	260	2.04	2490	360	2.43
21	260	280	300	310	310	240	200	1460	290	1.90	440	220	1.73	1900	270	1.86
22	140	130	150	180	220	210	110	820	160	1.07	320	160	1.26	1140	160	1.11
23	70	70	90	80	140	190	70	450	90	0.59	260	130	1.02	710	100	0.69
DAY TOT	14950	13340	15010	17030	16570	14430	11030	76900	15380	100.00	25460	12730	100.00	102360	14620	100.00
MAX	1470	1270	1410	1580	1590	1630	1230	AWT =	15380		AWE =	12730		ADT =	14620	

3.3.14 BG5 – Bing Lee at Warilla

AVERAGE PROFILE OF HOURLY TRAFFIC VOLUME Year 2007 Station No. 07.099.N

WINDANG RD,MR522 WINDANG-AT LAKE ILLAWARRA BR

HOUR	WEEKDAYS			WEEKENDS			ALL DAYS		
Comm.	MEAN	DEV.	No.	MEAN	DEV.	No.	MEAN	DEV.	No.
0	47	14	251	134	26	104	73	45	365
1	37	9	251	88	16	104	53	28	365
2	49	8	251	70	11	104	56	14	365
3	81	11	251	68	12	104	77	13	365
4	267	32	251	132	30	104	224	71	365
5	843	120	251	346	99	104	686	260	365
6	1897	198	251	481	183	104	1454	689	365
7	1766	190	251	538	217	104	1379	611	365
8	1837	175	251	820	303	104	1513	533	365
9	1151	69	251	1090	174	104	1124	131	365
10	1076	81	251	1213	164	104	1112	133	365
11	1041	90	251	1241	100	104	1099	132	365
12	986	71	251	1171	83	104	1039	115	365
13	986	71	251	1115	82	104	1023	101	365
14	1134	72	251	1092	86	104	1120	90	365
15	1122	80	251	1004	104	104	1086	109	365
16	1122	87	251	979	125	104	1079	122	365
17	1080	99	251	886	111	104	1021	137	365
18	718	108	251	652	119	104	698	116	365
19	449	90	251	433	90	104	444	92	365
20	370	82	251	357	79	104	366	83	365
21	293	69	251	314	103	104	299	82	365
22	213	56	251	250	83	104	224	67	365
23	110	47	251	157	75	104	124	60	365
	AWT			AWE			ADT		
TOTAL	18675			14631			17373		

AVERAGE PROFILE OF HOURLY TRAFFIC VOLUME Year 2007 Station No. 07.099.S

WINDANG RD,MR522 WINDANG-AT LAKE ILLAWARRA BR

HOUR	WEEKDAYS			WEEKENDS			ALL DAYS		
Comm.	MEAN	DEV.	No.	MEAN	DEV.	No.	MEAN	DEV.	No.
0	87	21	251	207	35	104	123	61	365
1	52	14	251	135	26	104	78	44	365
2	38	10	251	100	19	104	57	32	365
3	36	9	251	77	16	104	49	22	365
4	63	9	251	79	12	104	68	13	365
5	181	24	251	146	21	104	170	29	365
6	427	44	251	268	59	104	377	89	365
7	657	81	251	374	130	104	567	167	365
8	884	84	251	575	178	104	784	194	365
9	856	57	251	834	220	104	844	134	365
10	950	72	251	1111	210	104	997	150	365
11	1021	89	251	1292	146	104	1103	168	365
12	1050	101	251	1289	115	104	1122	154	365
13	1122	105	251	1206	121	104	1145	124	365
14	1454	107	251	1178	119	104	1365	181	365
15	2114	142	251	1128	108	104	1805	484	365
16	2056	148	251	1072	120	104	1747	485	365
17	2034	153	251	888	100	104	1676	553	365
18	1085	128	251	695	98	104	963	218	365
19	653	117	251	459	82	104	592	141	365
20	515	111	251	381	72	104	473	118	365
21	428	89	251	328	93	104	397	101	365
22	331	73	251	307	97	104	323	82	365
23	207	64	251	229	92	104	212	74	365
	AWT			AWE			ADT		
TOTAL	18301			14358			17037		

3.3.15 BG6 – Fantastic Furniture at South Nowra

Job No	N147
Client	
Road	Princes Hwy (200m south of Nowra Hill Rd)
Location	South Nowra
Site No.	3
Start Date	18-Mar-09
Description	Volume Summary
Direction	Combined

Average Weekday	16,012
7 Day Average	16,981

Time	Day of Week							Ave W'day	7 Day Ave
	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
	23-Mar	24-Mar	18-Mar	19-Mar	20-Mar	21-Mar	22-Mar		
AM Peak	1779	1857	0	1844	1788	1922	1833		
PM Peak	1887	0	1463	1910	2240	1868	1982		
0:00	32	67	0	40	84	121	140	45	69
1:00	38	34	0	35	55	79	94	32	48
2:00	41	36	0	34	34	45	34	29	32
3:00	73	41	0	53	47	42	40	43	42
4:00	139	107	0	120	113	73	45	96	85
5:00	294	327	0	361	327	151	116	262	225
6:00	946	938	0	912	926	356	227	744	615
7:00	1286	1344	0	1353	1258	624	389	1048	893
8:00	1779	1857	0	1844	1786	1139	617	1453	1289
9:00	1431	1526	0	1618	1699	1483	1179	1255	1277
10:00	1488	0	0	1577	1788	1776	1643	971	1182
11:00	1539	0	0	1524	1748	1922	1833	962	1224
12:00	1525	0	0	1392	1817	1868	1724	947	1189
13:00	1433	0	0	1534	1960	1655	1856	985	1205
14:00	1591	0	0	1683	2083	1510	1944	1071	1259
15:00	1887	0	0	1895	2240	1518	1982	1204	1360
16:00	1783	0	0	1910	2087	1251	1761	1156	1256
17:00	1585	0	1463	1667	1917	1105	1309	1326	1292
18:00	787	0	905	1052	1417	900	916	832	854
19:00	454	0	555	643	1097	552	600	550	557
20:00	328	0	404	501	809	388	409	408	406
21:00	236	0	272	381	595	370	238	297	299
22:00	168	0	187	207	386	292	174	190	202
23:00	96	0	96	129	204	213	105	105	120
Total	20959	6277	3882	22465	26477	19433	19375	16012	16981
7-19	18114	4727	2368	19049	21800	16751	17153	13212	14280
6-22	20078	5665	3599	21486	25227	18417	18627	15211	16157
6-24	20342	5665	3882	21822	25817	18922	18906	15506	16479
0-24	20959	6277	3882	22465	26477	19433	19375	16012	16981

Appendix A

Public Transport accessibility-based survey methodology

Appendix A

Public Transport accessibility-based survey methodology

1. Background

The approach outlined below has the effect of constraining parking supply compared to historic "unconstrained" rates, in response to the proximity of public transport and other centres, and the particular landuse involved. It is based on the calculation of:

a) an accessibility discount factor reflecting the site's accessibility to public transport and other centres; and

b) a landuse policy factor reflecting the extent to which parking supply can or should be modified for a particular landuse.

It is envisaged that this methodology will be further developed over time. It is presented here as background information only, to assist contractors in selecting a set of suitable survey locations for any particular survey type.

2. Methodology

The proposed parking supply formula is:

$PA_{max} = PH_{max} [1-(AD \times PF)]$

where PA_{max} is the new *accessibility-based* parking supply and PH_{max} is the historic *unconstrained*
parking provision rate.

AD is the Accessibility Discount factor reflecting the site's accessibility to public transport and other centres. It has a range of 0 (areas remote from any public transport) to 0.9 (CBD areas, well served by public transport).

PF is a landuse policy factor reflecting the extent to which parking supply can or should be modified for a particular landuse.

The Accessibility Discount factor is the relevant factor when candidate sites are being considered for any particular survey. It is based on an accessibility score, which itself has two components – a public transport proximity score and a centre proximity score.

Table 1 below outlines the calculation of the accessibility *score*. **Table 2** describes how the accessibility score is then converted to the Accessibility Discount *factor,* AD.

STEP	SCORING METHODOLOGY
1. Determine walking distance from site to nearest dominant stop/station for each mode corridor or bus route.(Each route is counted once only)	**Rail scores:** Rail station 0 – 400m.....Score = 24 Rail station 400 – 800m.....Score = 12 Rail station > 800m.....Score = 0 **Light rail / ferry scores:** Light rail or ferry route 0 – 400m .....Score = 8 Light rail or ferry route 400 – 800m .....Score = 4 Light rail or ferry route >800m .....Score = 0 **Bus scores:** Each bus route 0 – 400m .....Score = 4 Each bus route 400 – 800m .....Score = 1 Each bus route > 800m .....Score = 0
2. Determine infrastructure priority treatment (This is a proxy for public transport reliability, connectivity and speed)	For each mode corridor, multiply the score in Step 1. above with the factor below: Heavy rail, light rail or ferry route .....Multiply by 1 Bus Transitway.....Multiply bus route score by 3 Other Strategic Bus Corridor*.....Multiply bus route score by 2 Corridor with express services .....Multiply bus route score by 1.5 Standard bus route.....Multiply bus route score by 1 * If bus route is on a Strategic Bus Corridor for less than 50% of its length, treat as an express corridor
3. Determine frequency	For each mode corridor, multiply the score in Step 2. above with the factor below: > 20 services in the 2hr AM peak both ways ..... Multiply mode score by 3 13-20 services in the 2hr AM peak both ways ..... Multiply mode score by 2 8-12 services in the 2hr AM peak both ways ..... Multiply mode score by 1 ≤ 7 services in the 2hr AM peak both ways..... Multiply mode score by 0.5
4. Add up all the scores for each mode corridor, to produce a total Public Transport Score	
5. Determine walking proximity of site to a centre (as defined in the Metropolitan Strategy)	Determine the Centre Score, using the following scores: Within 800m of boundary of existing Global/Regional City ..... Score = 60 Within 800m of boundary of existing/developing Major Centre..... Score = 40 Within 800m of boundary of existing/developing Smaller Centre and Specialised Centre ..... Score = 20
6. Add the Public Transport Score from Step 4. above to Centre Score from Step 5. above, to produce a total Accessibility Score	
7. Use Table 2 below to convert the Accessibility Score to the Accessibility Discount factor (AD)	

Table 1 – Estimating the Accessibility Score

Accessibility Score	Accessibility Discount factor (AD)	Indicative examples
250+	0.9	Sydney CBD; North Sydney CBD
220 - 249	0.75	Sydney CBD fringe; Parramatta CBD
180 – 219	0.6	Fringes of larger centres; Major centres
140 – 179	0.4	Fringes of Major centres; medium centres
80 – 139	0.3	Smaller centres on Strategic Bus Corridors
21 - 79	0.2	Odd pockets and corridors
0 - 20	0	"Standard" background public transport levels; remote areas. No parking reduction necessary.

Table 2 – Estimating the Accessibility Discount factor

Figure 1 below shows the distribution of Accessibility Scores based on public transport timetable information currently available. It is envisaged that the sites selected for survey will generally be located in areas with an Accessibility Score less than 75.

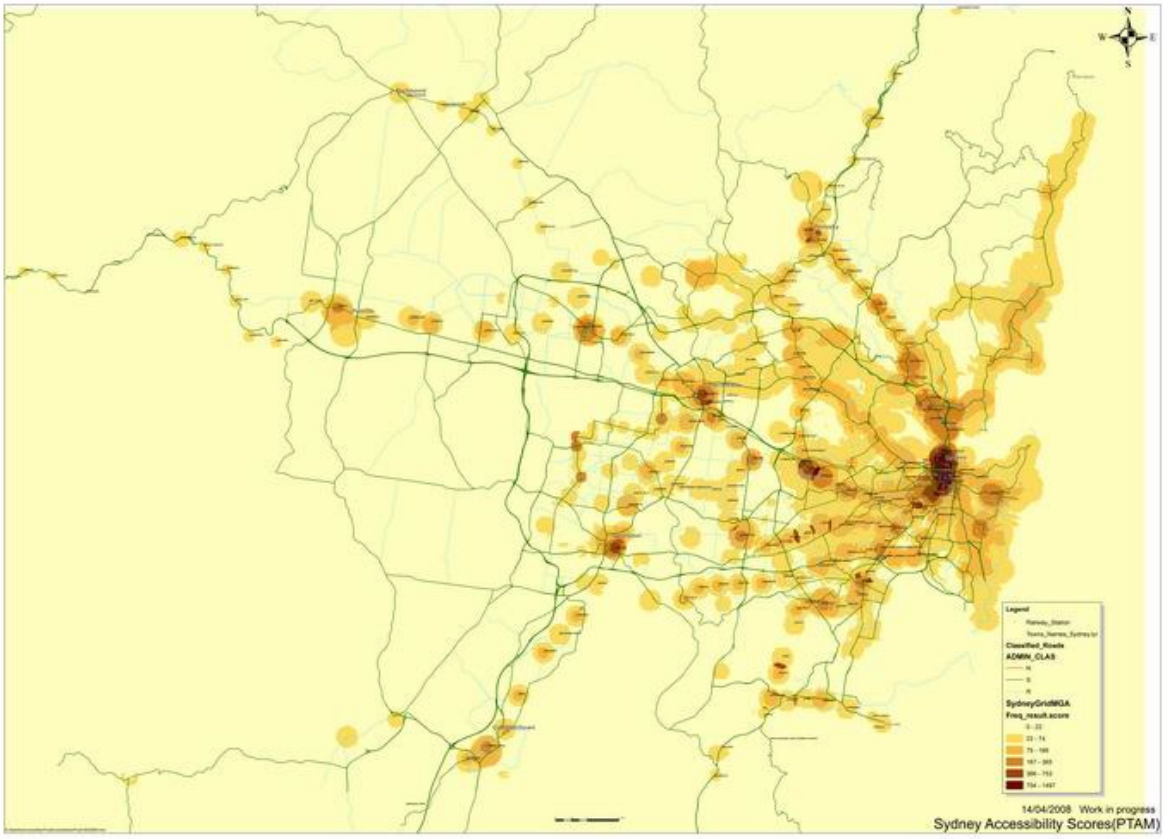

Figure 1 - Distribution of Sydney Accessibility Scores