Roads and Maritime Services Trip Generation Surveys Car Wash & Cafes

Data Report - WCAG

Roads and Maritime Services

4th December 2019

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1. Introduction

1.1 Background

Roads and Maritime Services (Roads and Maritime), NSW commissioned Bitzios Consulting to undertake a trip generation and parking demand survey and analysis of Car Wash Café sites. The Roads and Maritime Guide to Traffic Generating Developments – 2002 (hereafter referred to as the Guide), contains traffic generation and parking demand information based on surveys completed in 1980 and regularly requires updating.

Roads and Maritime recognised that many new and emerging business types are not adequately represented in the Guide, including Car Wash Cafés. As this is a relatively new land use, RMS have not undertaken any traffic generation or parking demand surveys / studies to date. It has also been identified that other early trip generation studies were too focussed on Sydney and did not adequately reflect potential differences in regional areas. As such, other key considerations for this study include:

- Retail hours have changed, Saturday is the peak and Sunday trading is now the norm rather than the exception
- The demographics is changing due to the aging population and the average household size is decreasing
- There are increases in car ownership as the cost of new vehicles continues to fall
- With new technologies work and leisure patterns are changing based on the effects of more flexible/ extended working hours
- There is a much higher residential density in some areas of Sydney
- Increases in the average age of first drivers licence suggesting that young people are choosing not to drive and the ageing population driving less
- Changes to levels of car washing due to increasing water restrictions levels and potential increases to the attractiveness of commercial car washes
- Standard car washes are predominantly private-vehicle-based, the addition of the cafes on the site has the potential to attract additional customers who may use alternate transport modes.

This study has solely focused on car wash sites that have cafes to determine a trip generation rate for this specific land use.

1.2 Scope

The scope of this Data Report includes:

- Research and identification of suitable car wash café sites which meet the requirements of RMS
- Summary of all collected relevant and available background data for each site (e.g. site area, number of car wash bays and on-site parking provisions)
- Presentation of three (3) day surveys of each site, including all-mode trip generation data and frontage road data
- Assembly and summary of information on all-mode trip generation data
- Tabulating and presenting the collected data to establish any initial statistical relationships
- Presentation of key results and summary of initial findings.

Detailed data and regression analysis shall be included in the corresponding Analysis Report for this study.

1.3 Definition of Key Terms

GFA – Gross Floor Area (m²)

Site Area –includes on-site café, office, service areas & wash bays (m²)

Roads and Maritime – Roads and Maritime Services NSW

Trip Generation – Generation of trips undertaken by individuals, including pedestrian, cyclist or persons. It should be noted that a 'trip' is the movement of a vehicle or person from origin to destination (i.e. a 'complete' visit to the shops would equate to two (2) trips, 1 to the site and 1 from the site)

Traffic Generation – Individual vehicle trips regardless of number of persons within the vehicle

Occupied Site Area – Total site area of the building based on aerial imagery

Manual Car Wash – Cars are washed by staff members of the Car wash

Automated Car Wash – Cars are washed using an automatic system/machine

Self-Serve Car Wash – Car wash bays and tools are provided for customer to wash cars themselves

Frontage Traffic – Traffic fronting a surveyed site that has the ability to access that site (i.e. where a median exists in the frontage road only one-way traffic volumes are applied), unless otherwise stated.

1.4 Project Challenges and Responses

Table 1.1 summarises challenges that occurred throughout the data collection phase of the project and the steps taken to address them.

Table 1.1: Addressing Project Challenges

Challenges	Responses
Contacting site mangers to gain permission to undertake surveys and receiving approval.	Multiple attempts were made to contact the potential survey sites using various forms of communication. Following five (5) or more attempts at a large number of preferred sites, and limited positive responses, an alternate survey method was developed (as below).
Ensuring a <i>typical</i> day was surveyed for each site. Rain and bad weather impact the operation and usual trip generation of car washes.	Affected survey days were rescheduled to later days and data analysis process was expedited to ensure a timely delivery of the project.
Obtaining suitable site information. Some sites provided limited datasets while others did not respond to the request for data.	A manual estimation method was used to determine the relevant site information from the most recent aerial imagery available, available online details and surveyor observations.

Initially, 24 potential sites were selected based on site selection criteria and presented to RMS for review. Of these, 21 were approved and contacted. Of these only one (1) site provided permission to undertake a complete survey and two (2) sites approved an alternate (reduced) survey method with no on-site data collection (i.e. customer surveys). Several attempts to contact other potential sites via phone calls and emails, resulted in either negative or no responses.

Through collaboration with RMS an **alternate survey method** was developed to ensure an assessable level of data could be collected. This was a major challenge for the project and impacted the detail of survey data collected for this study.

Alternate Survey Methodology

The alternate survey method applied to collect data (detailed in Section 3) included:

- Estimating some site details (i.e. parking bays) from available aerial imagery and Google Street
- Survey sites were strategically selected to collect only anonymous trip movement data automatically by observing the public road network
- No customer questionnaire or parking data could be collected.

The limitations of this method have been considered when undertaking our analysis.

2. SITE SELECTION

2.1 Selection Criteria

2.1.1 Roads and Maritime Criteria

The selection of the sites is based on the following criteria provided by Roads and Maritime:

- A mix of automated, manual and self-serve car washing facilities
- All with on-site café area with seating
- On-site parking provision
- Some on major arterial roads, others on local roads
- Reasonable geographic spread
- Ease in isolating the site from other nearby developments (office, strip retail, residential, etc) for survey purposes and collecting the required trip information (i.e. no shared driveways)
- Availability of relevant information on the building (site plan, areas, dimensions, pedestrian access points, vehicle entrances and exits, number and type of washing bays, parking spaces, etc).

2.2 Candidate Site Selection

The candidate sites were selected by manually reviewing aerial imagery (Google maps and Nearmaps) to include a range of sites based on the RMS criteria. Following the manual review of aerial imagery and online car wash cafe searches, each was checked via the Roads and Maritime criteria for the sites for suitability.

Approximately 24 sites were reviewed, with a total of 21 sites approved by Roads and Maritime. As outlined in Section 1.4, the majority of selected sites did not wish to participate in the surveys. As such, new survey sites were selected following the above process in conjunction with RMS, these sites had an alternate automated survey method applied (detailed in Section 3).

2.3 Selection Basis

In order to ensure a comprehensive dataset for analysis, selected sites varied in size, type and location across Sydney and NSW. The surveys were undertaken on a Friday, Saturday and Sunday as it was anticipated that these days would have a higher demand/ turnover of customers compared to other weekdays. The number of surveys selected by region is summarised in Table 2.1.

Table 2.1: Proposed Surveys and Location Summary

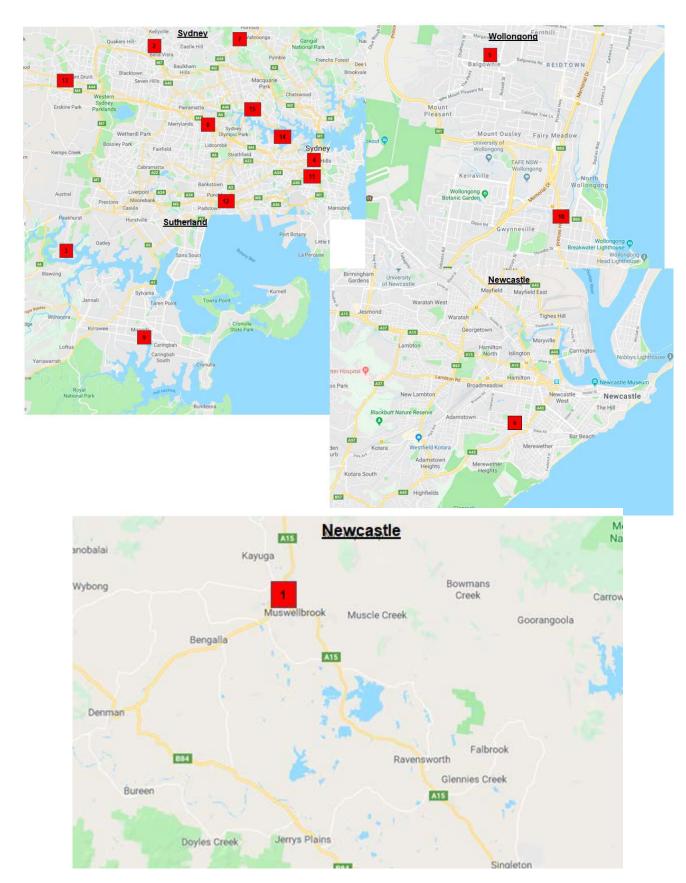
Survey Days	Sydney		Regional		Total
		Newcastle	Wollongong	Other	
3 days (Friday, Saturday, Sunday)	10	1	2	2	15

2.4 Selected Survey Sites

A summary of each selected survey site and its location are provided in Table 2.2 and Figure 2.1 respectively.

Table 2.2: Selected Survey Sites

Site No.	Region	Suburb	Site Name	Address	Туре
1	Regional	Muswellbrook	Blue Flame Car Wash	42 – 50 Sydney Street	Manual
2	Sydney	Blacktown	CARSPA Auto Wash Cafe	2/1190 Old Windsor Road	Manual and Automated
3	Sydney	Georges River	Lugarno Café Car Wash	1052 Forest Road	Manual
4	Sydney	Refern	Wax Car Wash	375 Cleveland Street	Manual and Self- Serve
5	Regional	Wollongong	Hands on Car Wash	118/120 Balgownie Road	Manual
6	Regional	Newcastle	Stella Hand Car Wash & Table1	89 – 93 City Road	Manual
7	Sydney	Thornleigh	Blanc Noire Hand Wash Cafe	169 – 171 Pennant Hills Road	Manual
8	Sydney	Auburn	Xibit Car Wash Cafe	212 Parramatta Road	Manual
9	Sydney	Miranda	Aqua Car Wash	109 Miranda Street	Manual
10	Regional	Wollongong	Professional Car Wash	10 – 12 Flinders Street	Manual
11	Sydney	Sydney	Gold Car Wash Café	44 O'Riordan Street	Manual
12	Sydney	Canterbury- Bankstown	Zoom Car Wash Café	1518 Canterbury Rd	Manual
13	Regional	Penrith	Elegance Carwash	35 Henry Street	Manual
14	Sydney	Canada Bay	Rainbow Hand Car Wash and Café		
15	Sydney	Ryde	Sydney Car Wash Café		



Source: Google Maps

Figure 2.1: Survey Site Locations

3. SURVEY PROCEDURE

3.1 Survey Schedule

All the surveys were undertaken over three (3) days from Friday – Sunday. The duration of the surveys is based on the span of the sites' opening hours. This varied from site to site and ranged from 6:00AM - 7:00PM.

Frontage road traffic count data was also collected for each of the sites standard working hours.

Table 3.1: Survey Site Schedule and Notes

Site Number	Survey Dates	Opening Hours	Approximate Year Built	Notes
1	29 th – 31 st March 2019	6:00AM – 7:00PM	2012	The site is bounded by two arterial roads, Sydney Street and the New England Highway, surrounded by residential and other retail uses.
2	14 th – 16 th June 2019	7:00AM – 5:30PM	2009	The site is next to Parklea Markets and Parklea Public School. In proximity to the major Old Windsor Road / Miami Street / Balmoral Road intersection. Old Windsor Road is an arterial road and site access is gained via the front and back of the site.
3	14 th – 15 th June & 28 th July 2019	8:00AM – 5:00PM	2004	This site is surrounded by low density residential with a service station adjacent and a bus stop fronting the site. Forest Road is a key collector road that runs north – south through the area.
4	14 th – 15 th June & 28 th July 2019	7:00AM – 6:00PM	2003	This site is located amongst retail and commercial uses in the heart of Surry Hills. Adjacent to a Coles, the site is accessed via Cleveland Street which is a key collector road that runs east to west to the University of Sydney.
5	14 th – 15 th June & 28 th July 2019	9:00AM – 5:00PM	2008	The site is surrounded by low density residential with access via Balgownie Road which is a key collector road that runs east to west through the area. There is a bus stop fronting the site and is located at the Balgownie Road / Foothills Road roundabout.
6	14 th – 16 th June 2019	7:30AM – 5:00PM	2007	The site is located within a medium density residential area bounded by the Pacific Highway which is an arterial road that runs into Newcastle from the south west.
7	14 th – 15 th June & 28 th July 2019	8:00AM – 5:30PM	2003	The site is located on the outskirts of the key retail area surrounded by medium density residential. The site is accessed via the Cumberland Highway which is an arterial road that runs east to west through the area.
8	14 th – 15 th June & 28 th July 2019	8:00AM – 5:30PM (weekdays) 8:00AM – 5:00PM (weekends)	2003	The site is within a retail precinct with surrounding residential areas. The site gains access via the Great Western Highway which is an arterial road that runs east to west from Sydney city to the western suburbs.

9	14 th – 15 th June & 28 th July 2019	7:30AM – 5:00PM (weekdays) 8:00AM – 5:00PM (weekends)	2003	The site is a part of a small shopping village, surrounded by low density residential. The site is bounded by President Avenue to the south which is key collector road that roads east to west.
10	14 th – 15 th June & 28 th July 2019	8:00AM – 5:00PM	2008	The site is located amongst retail and medium density residential uses. Access is gained via the Princes Highway which is an arterial road that runs north to south through Wollongong.
11	14 th – 16 th June 2019	6:00AM – 7:00PM	2009	The site is located within the retail and commercial precinct and is located on the corner of a key collector road that runs from the north – south from Sydney Airport.
12	14 th – 15 th June & 28 th July 2019	8:00AM – 6:00PM	2007	The site is located within a medium density residential area that is bounded by an arterial road that runs east to west through the area.
13	14 th – 15 th June & 28 th July 2019	8:00AM – 4:00PM	2007	The site is located amongst retail and residential uses on the outskirts of Penrith. Access is gained via a local road and the railway line runs north of the site.
14	14 th – 15 th June & 28 th July 2019	8:00AM – 4:45PM	2003	The site is located on the key arterial road that runs through the island and is surrounded by retail and residential uses.
15	14 th – 16 th June 2019	8:00AM – 6:00PM	2003	The site is located amongst retail and residential uses and is accessed via the key arterial road that runs east to west.

3.2 Data Collection Surveys

The following data was collected during the surveys:

- Number of entering and exiting vehicles (cars/heavy vehicles) (in 15-minute periods)
- Number of vehicle occupants (in 15-minute periods) where possible
- Number of pedestrians and cyclists (in 15-minute periods)
- An automatic tube count of all vehicles along the principal frontage access road, to allow for the determination of the relevant 1-hour AM and PM background traffic peak periods.

In addition to the above data, customers surveys were undertaken at **Site 1 only** and included five (5) questions aimed at determining customer mode of transport and trip purpose. The questions included:

- 1. "What mode of transport did you use to get here? (Car Driver/ Passenger, Bus, Train, Taxi/Uber, Walking or Cycling)
- 2. "If arrived by car, is the vehicle parked on site or elsewhere?"
- 3. "Are you a customer or staff?"
- 4. "Have you visited, or will you visit any other venues before and /or after the car wash/café?"
- 5. "How long is your visit to the car wash today? (i.e. 5-10mins, 10-30mins, 30-1hr, 1-2hr, 2-5hrs)".

3.3 Site Information

The following site information was collected for each site (where available):

Breakdown of on-site car parking allocation and provisions

- Available off-street parking
- Site area
- Café floor area
- Type and number of car wash bays
- Number of entry/ exist points
- Approximate café seating.

3.3.1 Collection Methods

The data was collected using three (3) different sources, as follows:

- By contacting the centre manager / owner
- By manually researching information and review aerial imagery
- Through survey information collected by TDC.

Due to the limited participation of sites the range of information and data about each site and its operations was limited. The majority of site information relies on publicly available Development Application documents and aerial/street-view imagery.

Owners of Site 1 provided some additional information regarding on site operations, including the observation that their café provides for a significant 'rush' or 'peak' of coffee and breakfast demand early in the morning (around 6am) due to the beginning/end of shift work at the large nearby mines in Muswellbrook.

3.3.2 Survey Data

During the collection of survey data, it rained on Sunday 16th June 2019 which influenced the survey data as majority of sites were either partially or fully closed for the day or had limited customers. As such, data collected didn't adequately represent a typical Sunday. The surveys were repeated on Sunday 28th July 2019 when the weather was fine. After the resurveying of sites, the survey data for Friday, Saturday and Sunday adequately represented the typical operations and traffic volumes for the site locations.

4. SURVEY RESULTS

4.1 Overview

A large amount of survey data was collected from each site. This report contains a summary of select data. Alongside daily trip data, each site's AM and PM peak periods are reviewed on a weekday (Friday) and a daily peak period is reviewed on the weekends (Saturday & Sunday). Preliminary data summaries for all the sites are contained in **Appendix A** and include site information, trip generation derived from traffic counts and road frontage traffic counts. Complete survey data sets for individual sites, as completed by TDC, are provided in **Appendix B**.

4.2 Preliminary Analysis and Key Statistics

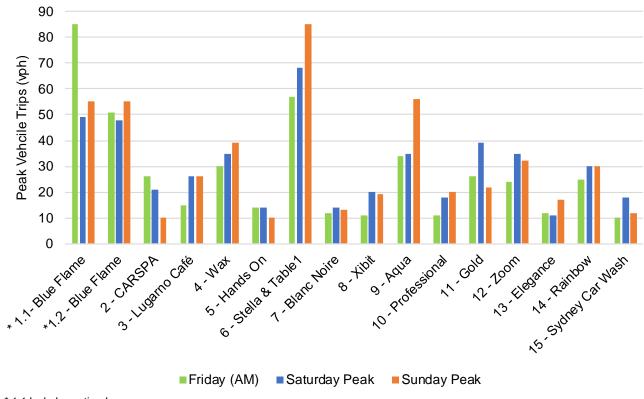
Key outputs of the surveys including factors that impact the road network such as, vehicle trip generation, development and frontage road peak periods, site area, number of car wash bays and pedestrian trips have been summarised in this section.

During the preliminary analysis it was noted that there is an unusually high peak period for Site 1 (Muswellbrook) from 6:00AM – 7:00AM, sitting as an outlier compared to other Sites during the same period. This is likely due to the surrounding area's population demographics as many miners travel through the area early in the morning and the car wash café. Site 1 has therefore been split into two categories to exclude the unusual early morning peak when analysing the peak periods to establish any trend impacts. Site 1.1 represents 6:00AM – 7:00PM and Site 1.2 represents 8:00AM – 7:00PM.

4.2.1 Initial Site Analysis

An initial site analysis was undertaken to identify any overarching trends within the survey data that will inform further detailed analysis and regression models to be completed in the subsequent corresponding Analysis Report.

A comparison between Friday, Saturday and Sunday peak and daily vehicle trips was undertaken, shown in Figure 4.1 and Figure 4.2 respectively, to establish if any trip demand profile could be found. It was found that trip generation was mostly consistent across both weekend days.



^{* 1.1} Includes entire day

Figure 4.1: Peak Vehicle Trips Comparison

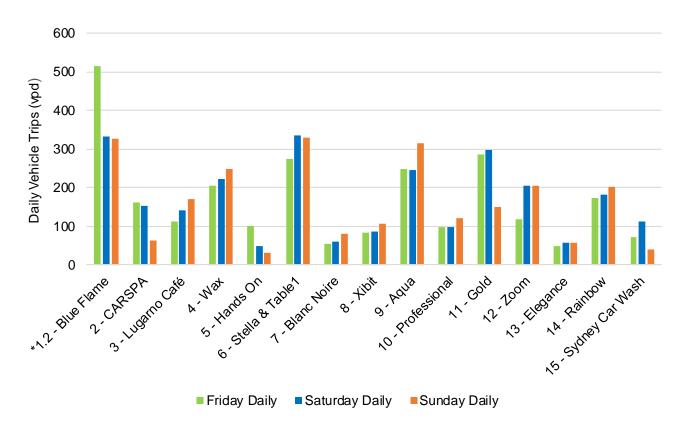


Figure 4.2: Daily Vehicle Trips Comparison

^{* 1.2} Excludes 6:00AM - 8:00AM

Generally, weekends showed a higher volume of trips, with the exception of Site 1.

Additional initial comparisons of the survey data were undertaken considering site area, number of wash bays and level of frontage road traffic to establish any overarching trends. While some relationship with levels of frontage road traffic was seen at some sites, no clear overarching data trends became apparent during initial analysis. The following sections summarise survey data results for comparison.

4.2.2 Friday Survey Data

Surveys conducted for sites on a Friday have been examined to identify key findings and trends in trip generation and associated factors. Complete site data details can be found at **Appendix A**.

The following Figure 4.3 combines sites surveyed on Friday and compares the average hourly traffic for all sites with the respective average adjacent frontage road traffic volumes. Due to the variability of site operation hours the "typical" average hours have been applied for the below comparison.



^{*} The average two-way frontage traffic for all sites has been in this graph (including those vehicles unable to access survey sites directly)

Figure 4.3: Average Friday Development and Frontage Road Traffic Volumes (7am – 5pm)

Examination of data indicates that Friday morning (AM) one-hour peak periods are typically between 7:00AM - 8:00AM, while the average afternoon (PM) one-hour peak occurs between 1:00PM - 2:00PM. Sites are noted to have a high early morning peak period.

A common trend across all sites is the reducing trip volumes into the afternoon.

As shown in Table 4.1, the AM and PM peak period varies across all the sites.

Table 4.1: Trip Data Summary – Friday

Site #	Develop ment AM Peak	Develop ment PM Peak	Frontage Access Road AM Peak*	Frontage Access Road PM Peak*	Daily Vehicle Trips	AM Peak Hour Trips per 100m ² Site Area	PM Peak Hour Trips per 100m ² Site Area	AM Trips per Car Wash Bay	PM Trips per Car Wash Bay	AM Trips per Parking Space	PM Trips per Parking Space	AM Trips per 100 veh on Frontage Access Road	PM Trips per 100 veh on Frontage Access Road
1	8:45 AM	11:45 AM	11:00 AM	12:00 PM	514	2.8	3.2	12.8	14.3	5.1	5.7	8.9	4.0
2	10:00 AM	12:15 PM	7:30 AM	3:15 PM	163	1.7	1.7	2.9	2.9	2.4	2.4	0.9	0.8
3	10:30 AM	12:30 PM	8:15 AM	3:45 PM	112	2.0	2.4	3.8	4.5	3.8	4.5	2.4	2.8
4	10:45 AM	2:15 PM	8:00 AM	5:00 PM	206	3.2	3.4	6.0	6.4	7.5	8.0	1.6	1.5
5	11:00 AM	3:15 PM	9:00 AM	3:00 PM	102	2.1	3.5	4.7	7.7	2.0	3.3	4.0	5.1
6	9:30 AM	11:30 AM	7:45 AM	3:30 PM	274	3.4	2.0	14.3	8.5	2.5	1.5	3.7	2.2
7	9:00 AM	11:45 AM	10:45 AM	2:30 PM	55	1.5	1.0	3.0	2.0	2.4	1.6	0.3	0.2
8	10:30 AM	2:30 PM	11:00 AM	1:30 PM	83	1.1	1.4	2.8	3.5	2.8	3.5	0.4	0.6
9	10:45 AM	2:00 PM	8:00 AM	3:30 PM	249	3.2	3.5	5.7	6.2	1.9	2.1	1.7	1.4
10	11:30 AM	1:00 PM	8:00 AM	3:15 PM	99	1.3	2.9	2.8	6.0	3.7	8.0	0.6	1.3
11	10:15 AM	2:30 PM	8:15 AM	3:00 PM	285	2.6	3.3	2.9	3.7	13.0	16.5	1.5	1.6
12	10:30 AM	12:45 PM	9:15 AM	3:45 PM	119	2.3	2.0	3.4	3.0	4.0	3.5	1.2	1.0
13	8:45 AM	12:00 PM	8:15 AM	3:00 PM	48	1.1	0.8	2.0	1.5	3.0	2.3	1.4	1.1
14	10:30 AM	1:30 PM	8:00 AM	3:30 PM	174	2.3	2.5	4.2	4.7	2.5	2.8	0.7	0.7
15	10:30 AM	12:30 PM	8:00 AM	4:00 PM	72	1.1	1.2	3.3	3.7	3.3	3.7	0.4	0.4

^{*}Frontage Traffic: Traffic fronting a surveyed site that has the ability to access that site (i.e. where a median exists in the frontage road only one-way traffic volumes are applied), unless otherwise stated.

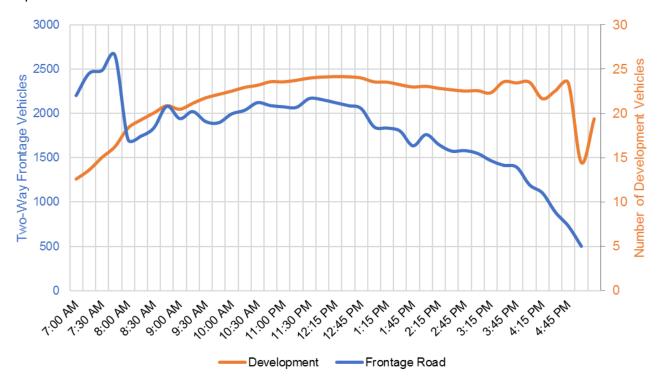
Initial examination of the Friday data for all the sites indicates that:

- When compared to the frontage road peak periods, the sites' peak periods typically differed by 1-2 hours
- The AM peak vehicle trips per car wash bay have an average of 4.95, with data points ranging from 2.00 to 14.25
- The PM peak vehicle trips per car wash bay have an average of 5.22, with data points ranging from 1.50 to 14.25
- The AM peak have an average of 1.97 vehicle trips per 100 vehicles passing on the frontage road, with data points ranging from 0.33 to 8.90 (as outlined in Section 1.3, frontage road volumes used in trip rate calculations account for local access restrictions)
- The PM peak have an average of 1.65 vehicle trips per 100 vehicles passing on the frontage road, with data points ranging from 0.21 to 5.12 (as outlined in Section 1.3, frontage road volumes used in trip rate calculations account for local access restrictions)
- The AM peak period for Site 1 occurs approximately 2 hours earlier than the next peak period
- AM peak trip rates were noted to be higher than those during the PM peak for vehicle trips.

4.2.3 Saturday

Surveys conducted for sites on a Saturday have been examined to identify key findings and trends in trip generation and associated factors. Complete site data details can be found at **Appendix A**.

The following Figure 4.4 combines sites surveyed on Saturday and compares the average hourly traffic for all sites with the respective average adjacent frontage road traffic volumes. Due to the variability of site operation hours the "typical" average hours have been applied for the below comparison.



^{*} The average two-way frontage traffic for all sites has been in this graph (including those vehicles unable to access survey sites directly)

Figure 4.4: Average Saturday Development and Frontage Road Traffic Volumes

Examination of data indicates that development average Saturday one-hour peak period is typically between 7:00AM – 8:00AM, while the average frontage road one-hour peak typically occurs between 12:00PM – 1:00PM. As shown in Table 4.2, the peak period varies across all the sites.

Table 4.2: Trip Data Summary – Saturday

Site #	Daily Development Peak	Frontage* Access Road Daily Peak	Daily Vehicle Trips	Peak Hour Trips per 100m ² Site Area	Daily Trips per Car Wash Bay	Daily Trips per Parking Space	Daily Trips per 100 veh on Frontage Access Road
1	9:15 AM	11:30 AM	331	2.7	4.0	12.0	16.6
2	1:00 PM	12:45 PM	152	1.4	2.3	1.9	0.5
3	11:45 AM	4:30 PM	142	3.4	6.5	6.5	2.5
4	8:00 AM	12:45 PM	224	3.7	7.0	8.8	1.9
5	10:45 AM	9:15 AM	50	2.1	4.7	2.0	3.7
6	8:45 AM	12:00 PM	335	4.0	17.0	3.0	4.1
7	11:45 AM	12:00 PM	62	1.7	3.5	2.8	0.3
8	3:45 PM	11:00 AM	87	2.0	5.0	5.0	0.8
9	11:15 AM	12:00 PM	246	3.3	5.8	1.9	1.1
10	10:45 AM	12:30 PM	97	2.2	4.5	6.0	0.9
11	12:15 PM	1:45 PM	298	3.9	4.3	19.5	2.0
12	1:45 PM	1:00 PM	206	3.4	5.0	5.8	1.4
13	11:00 AM	12:30 PM	59	1.0	1.8	2.8	1.3
14	12:30 PM	1:45 PM	183	2.7	5.0	3.0	0.7
15	10:00 AM	4:15 PM	113	2.0	6.0	6.0	0.6

^{*}Frontage Traffic: Traffic fronting a surveyed site that has the ability to access that site (i.e. where a median exists in the frontage road only one-way traffic volumes are applied), unless otherwise stated.

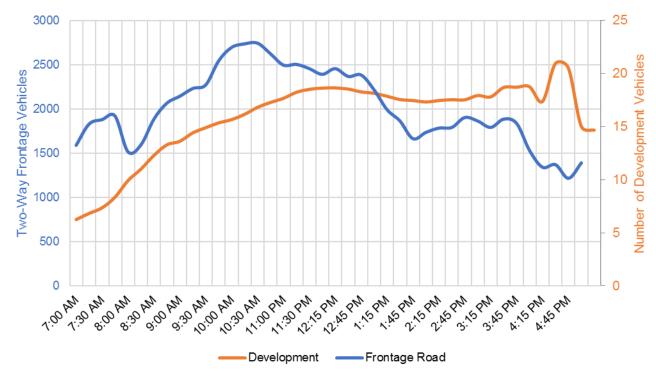
Initial examination of the Saturday data for all sites indicates that:

- When compared to the frontage road peak periods, the sites' peak periods typically differed by 1-2 hours
- The peak vehicle trips per car wash bay have an average of 5.5, with data points ranging from 1.83 to 17
- The peak vehicle trips per frontage road volumes have an average of 2.55, with data points ranging from 0.3 to 16.60 (as outlined in Section 1.3, frontage road volumes used in trip rate calculations account for local access restrictions)
- The peak period for Site 1 occurs approximately 1 hour earlier than the next peak period. Saturday peak trip rates are higher than those during weekday AM peak periods for vehicles.

4.2.4 Sunday

Surveys conducted for sites on a Sunday have been examined to identify key findings and trends in trip generation and associated factors. Complete site data details can be found at **Appendix A**.

The following Figure 4.5 combines sites surveyed on Sunday and compares the average hourly traffic for all sites with the respective average adjacent frontage road traffic volumes. Due to the variability of site operation hours the "typical" average hours have been applied for the following comparisons.



^{*} The average two-way frontage traffic for all sites has been in this graph (including those vehicles unable to access survey sites directly)

Figure 4.5: Average Sunday Development and Frontage Road Traffic Volumes

Examination of data indicates that average Sunday one-hour peak periods are between 7:00AM – 8:00AM, while the average frontage road one-hour peak occurs between 12:00PM – 1:00PM. As shown in Table 4.3, the peak period varies across all the sites.

Table 4.3: Trip Data Summary – Sunday

Site #	Daily Development Peak	Frontage* Access Road Daily Peak	Daily Vehicle Trips	Peak Hour Trips per 100m² Site Area	Daily Trips per Car Wash Bay	Daily Trips per Parking Space	Daily Trips per 100 veh on Frontage Access Road
1	10:30 AM	2:45 PM	514	3.1	4.6	13.8	7.7
2	8:45 AM	11:45 AM	163	6.5	1.1	0.9	0.5
3	11:30 AM	12:15 PM	112	3.4	6.5	6.5	3.0
4	11:45 AM	1:45 PM	206	4.1	7.8	9.8	2.0
5	12:30 PM	12:15 PM	102	1.5	3.3	1.4	2.9
6	10:00 AM	12:15 PM	274	5.0	21.3	3.7	6.1
7	11:00 AM	3:45 PM	55	1.6	3.3	2.6	0.3
8	12:30 PM	12:00 PM	83	1.9	4.8	4.8	0.7
9	11:15 AM	12:30 PM	249	5.3	9.3	3.1	2.2
10	10:00 AM	11:30 AM	99	2.4	5.0	6.7	1.4
11	4:30 PM	12:45 PM	285	2.2	2.4	11.0	1.3
12	2:45 PM	1:30 PM	119	3.1	4.6	5.3	1.5
13	12:45 PM	1:00 PM	48	1.5	2.8	4.3	2.3
14	2:00 PM	12:15 PM	174	2.7	5.0	3.0	0.7
15	3:15 PM	12:00 PM	72	1.3	4.0	4.0	0.5

^{*}Frontage Traffic: Traffic fronting a surveyed site that has the ability to access that site (i.e. where a median exists in the frontage road only one-way traffic volumes are applied), unless otherwise stated.

Initial examination of the Sunday data for all sites indicates that:

- When compared to the frontage road peak periods, the sites' peak period differed by 8 hours
- The peak vehicle trips per car wash bay have an average of 5.71, with data points ranging from 1.11 to 21.25
- The peak vehicle trips per frontage road volumes have an average of 2.2, with data points ranging from 0.27 to 7.69 (as outlined in Section 1.3, frontage road volumes used in trip rate calculations account for local access restrictions)
- The peak period for Site 1 occurs approximately 2 hours later than the first peak period Sunday peak trip rates are lower than those during Saturday for vehicles.

4.3 Survey Sites Peak Period Trip Comparison

In Section 4.3, peak period comparisons of the potential contributing factors that influence traffic generation across each site are presented. These include vehicle trip rates per car wash bay and per 100 vehicles on frontage road. Other contributing factors, including site area and parking bays are included within **Appendix A** for each site.

It is noted that both Site 1.1 and 1.2 have been included in the peak period trip comparison for Friday, Saturday and Sunday to provide a comparative analysis and remove the unusually high early morning Site 1 outlier data point.

Figure 4.6, Figure 4.7, Figure 4.8 and Figure 4.9 compare the traffic generation across each site per car wash bay, including an average for comparison, for the Friday, Saturday and Sunday peak periods respectively.

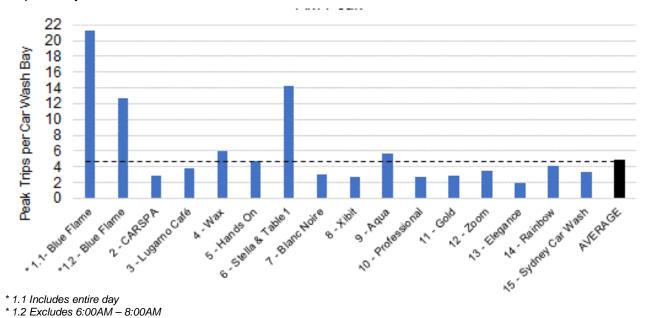


Figure 4.6: Friday Vehicle Trip Rate (per Car Wash bay) AM Peak Period

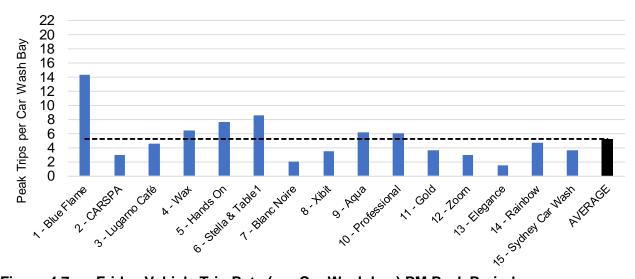


Figure 4.7: Friday Vehicle Trip Rate (per Car Wash bay) PM Peak Period

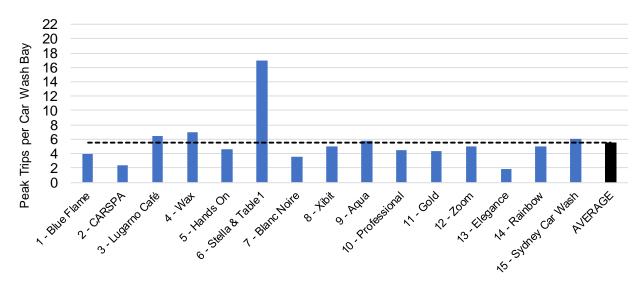


Figure 4.8: Saturday Vehicle Trip Rate (per Car Wash bay) Peak Period

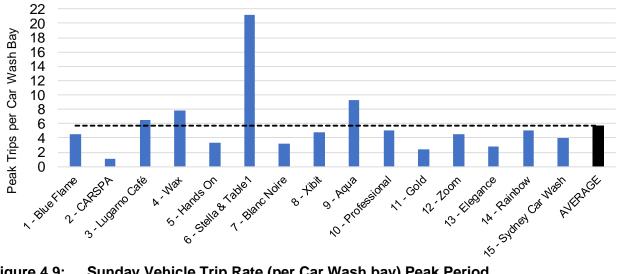


Figure 4.9: Sunday Vehicle Trip Rate (per Car Wash bay) Peak Period

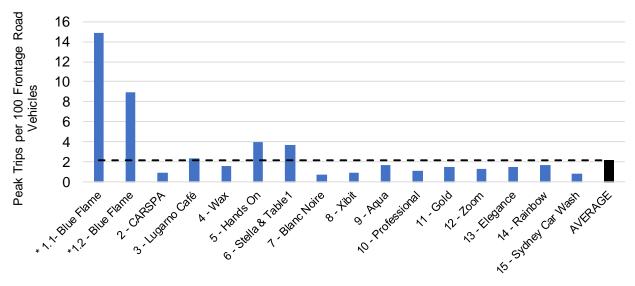
Initial examination of the above shows that:

Trip generation rates per car wash bay appear inconsistent across all sites with no clear trends

- During the weekends, sites show higher vehicle trip generation on average than the weekday peak periods
- Sites 1 and 6 have significantly higher trip generation rates compared to other sites based on the high number of total vehicle trips and the low number of car wash bays.

4.3.1 Trips per Frontage Access Road Traffic

Figure 4.10, Figure 4.11, Figure 4.12 and Figure 4.13 compare the traffic generation across each site per frontage road traffic including an average for comparison, for the Friday, Saturday and Sunday peak periods respectively. Note that frontage traffic refers to traffic fronting a surveyed site that has the ability to access that site (i.e. where a median exists in the frontage road only one-way traffic volumes are applied), unless otherwise stated.



- * 1.1 Includes entire day * 1.2 Excludes 6:00AM 8:00AM

Figure 4.10: Friday Vehicle Trip Rate (per 100 Vehicles on Frontage Access Road) AM Peak

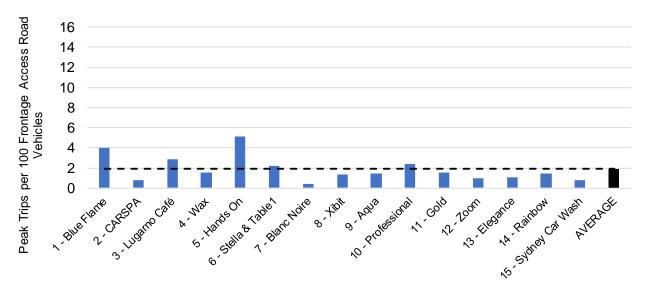


Figure 4.11: Friday Vehicle Trip Rate (per 100 Vehicles on Frontage Road) PM Peak Period

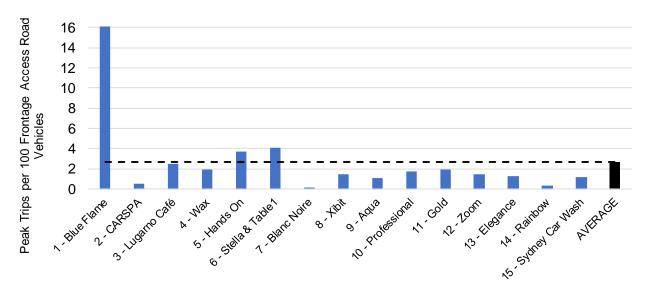


Figure 4.12: Saturday Vehicle Trip Rate (per 100 Vehicles on Frontage Access Road) Peak
Period

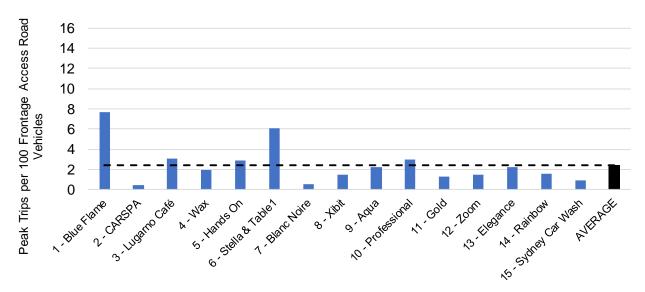


Figure 4.13: Sunday Vehicle Trip Rate (per 100 Vehicles on Frontage Access Road) Peak Period

Initial examination of the above shows that:

- Trip generation rates per frontage road traffic volumes appear inconsistent across all sites with no clear trends
- During the weekends, sites show higher vehicle trip generation on average than the weekday peak periods

Site 1 has a significantly higher trip generation rate in the AM on Friday and Saturday compared to the other sites due to the low number of vehicles on the frontage road.

4.4 Additional Survey Data

The additional survey data includes customer survey responses, linked trips and trip split data. As shown below, only Site 1 includes the customer survey responses and linked trips.

4.4.1 Customer Survey Responses

The number of responses to customer surveys for Site 1 are as follows:

- Friday 32
- Saturday 27
- Sunday 27.

Further detailed analysis of customer survey responses is provided within the Analysis Report.

4.4.2 Linked Trips

The percentage of 'linked trips' where a customer was visiting another location as part of the trip to the car wash cafe was surveyed for Site 1 as part of the manual questionnaire. Average trip percentages for Friday, Saturday and Sunday are as follows:

- Friday 75% linked trips
- Saturday 67% linked trips
- Sunday 81% linked trips.

4.4.3 Trip Split Data

Average Inbound and Outbound (IN/OUT) trip movements for each survey day for all the sites are shown in Figure 4.14, Figure 4.15 and Figure 4.16.

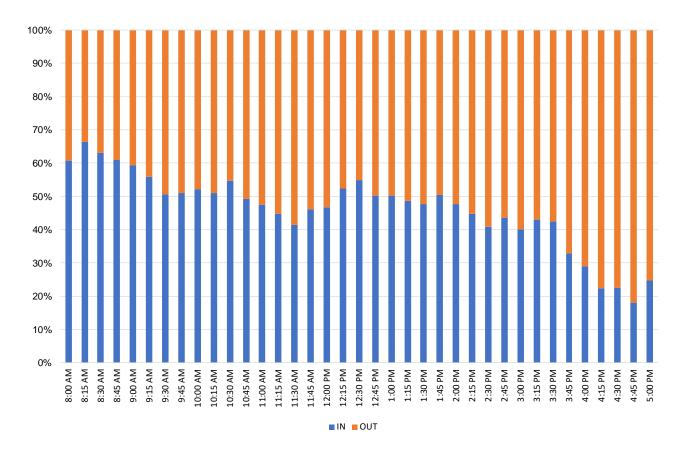


Figure 4.14: Average IN/OUT Trip Splits - Friday

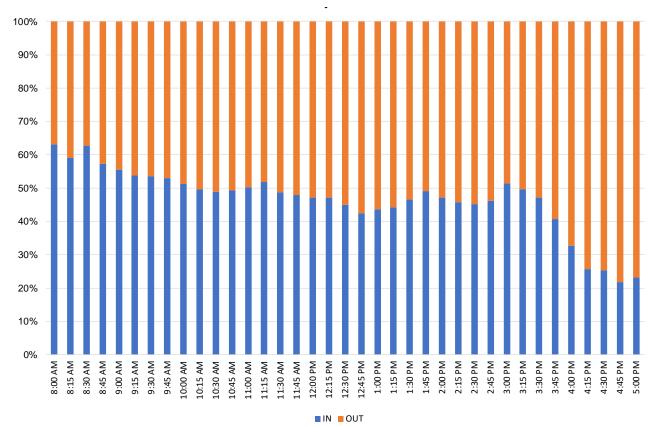


Figure 4.15: Average IN/OUT Trip Splits - Saturday

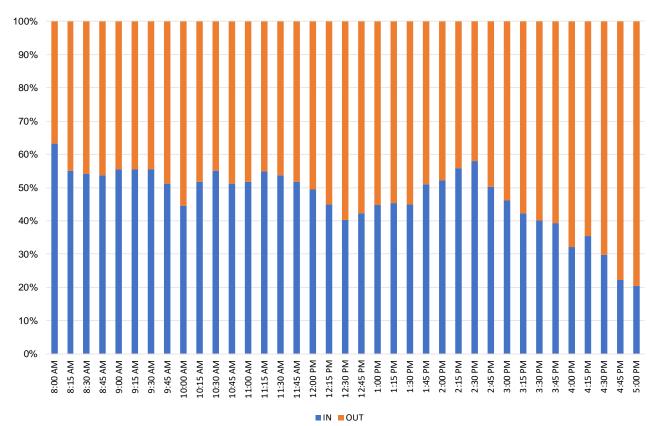


Figure 4.16: Average IN/OUT Trip Splits - Sunday

Table 4.4 below summarises the average IN/OUT split during the average peak periods across all 15 sites.

Table 4.4: Average IN/OUT Trip Splits during Peak Periods

	Friday	Friday	Saturday	Sunday
Split	AM Peak (10:15AM – 11:15AM)	PM Peak (1:00PM – 2:00PM)	Daily Peak (11:15AM - 12:15PM)	Daily Peak (12:15PM – 1:15PM)
IN	51%	50%	52%	45%
OUT	49%	50%	48%	55%

Initial examination of the above data shows that:

- Morning periods show the largest proportion of inbound movements while the afternoon shows the highest proportion of outbound movements. The arrival/departures of staff may influence this trend
- Across the middle of the day IN/OUT movements appear to sit at a typical 50/50, particularly on Saturday.

5. CONCLUSIONS

The 15 car wash café sites that were surveyed across Sydney (9) and regional areas including Newcastle (2), Wollongong (2) and Sutherland (2), captured the potential differences that might arise in trip generation. Manual surveys were undertaken at Site 1 and included survey questionaries to determine typical customer modal choices and behaviours.

For each site network peak hours, site peak hours, site peak trips, peak period trips per car wash bay and peak vehicle trips per frontage road traffic were tabulated. Average hourly vehicles movements compared to average frontage road traffic was also provided.

The preliminary data analysis included comparison of the development specific average hourly traffic volume with the average adjacent frontage road traffic volumes for Friday, Saturday and Sunday. This indicated the following:

- Sites are noted to typically have the highest number of trips during the early morning period
- A common trend across all sites and survey days is the reasonably steady reduction of trip volumes into the afternoon.

Additionally, to understand the contributing factors that influence traffic generation across each site, peak period comparisons were undertaken. These include vehicle trip rates per car wash bay and per 100 vehicles on frontage road. This identified the following:

- Trip generation rates appear inconsistent across all sites with no clear trends
- During the weekends, sites show higher vehicle trip generation on average than the weekday peak periods
- Sites 1 and 6 are have significantly higher trip generation rates compared to other sites based on the high number of total vehicle trips and the low number of car wash bays
- Site 1 has a significantly higher trip generation rate in the AM on Friday and Saturday compared to the other sites due to the low number of vehicles on the frontage road and localised traffic trends (i.e. early morning mine shift change movements).

Based on the data presented in the report, there are many contributing factors that influence trip generation and as such, no definite trend was established during the preliminary analysis stage.

Appendix A: Survey Site Data Summary Sheets

Site 01 - Results Summary Sheet 42-50 Sydney Street, Muswellbrook

42-50 Sydney Street, MuswellbrookNotes: Summary of survey results and preliminary analysis for site, as per RMS template.



Survey for:	Roads and Maritime Serivces NSW			Office Ref Only:	
Survey Period Date and Time	Friday	29th March 2019	6:00:00 AM	7:00:00 PM	
	Extended Data Collection? NO	Includes Manual Company	No		
		Includes Manual Survey?	No		
A.					
Site Data		Blue Flame Café and Car Wash			
	Land Use Description	Car Wash Café			
	Local Authority (Council)	Muswellbrook Council	1	1	
	Street Address and Suburb	42-50 Sydney Street, Muswellbrook			
	Survey Site General Location	Suburbs	M 31 10 10 5 1 11 1 1		
	Highest Classification of Frontage Road Frontage Road ADT	Collector 12635	Maitland Street (New England Highway)		
		Low			
	Public Transport Opportunities	Low			
	Approximate Café Seating Capacity	unknown			
	_				
B. Parking	Parking Spaces Provided On-Site	10			
g	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand		ma ma	ax occupied spaces	
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA	Pea	k Parking Demand/	Staff
		January John Zoria	1 64	g _ omand/	
				<u> </u>	
C.	Site Surveyed Arrival / Departure Flow	AM Peak Period	Time		
Trip Generation				6:00:00 AM	7:00:00
	-		In (vph)	43	Total
			Out (vph)		
				42	85
	1	PM Peak Period	Time	11:45:00 AM	12:45:00
			In (vph)	18	Total
			Out (vph)	39	57
		Daily	Time	6:00:00 AM	7:0
	1		Total In + Out (Vpd)		/.\
	Peak trip Rate per 100m ² or other unit				
			Car Wash Bay		Frontage (per
		AM Peak Period	21.2500	4.7222	
	1	PM Peak Period	14.2500		
		Deile		00 ====	4
		Daily	128.5000	28.5556	4.068
D. Sonoral Comments and Notes			128.5000	28.5556	4.068
D. General Comments and Notes		Daily Daily Mode Split	128.5000	28.5556	4.068
D. General Comments and Notes	Site Characteristics/Notes		128.5000	28.5556	4.068
D. General Comments and Notes		Daily Mode Split	128.5000	28.5556	4.068
D. General Comments and Notes	Site Characteristics/Notes No parking surveys and mode splits estimated		128.5000 Number	28.5556	4.068
D. General Comments and Notes	Site Characteristics/Notes No parking surveys and mode splits estimated using completed customer questionaires	Daily Mode Split Modal Split Total Private Vehicles	Number 2316	% 91.7%	4.068
D. General Comments and Notes	Site Characteristics/Notes No parking surveys and mode splits estimated using completed customer questionaires	Daily Mode Split Modal Split Total Private Vehicles Car (as driver)	Number 2316 514	% 91.7% 20.3%	4.068
D. General Comments and Notes	Site Characteristics/Notes No parking surveys and mode splits estimated using completed customer questionaires	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger)	Number 2316	% 91.7%	4.068
D. General Comments and Notes	Site Characteristics/Notes No parking surveys and mode splits estimated using completed customer questionaires	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi	Number 2316 514 1802	% 91.7% 20.3% 71.3%	4.068
D. General Comments and Notes	Site Characteristics/Notes No parking surveys and mode splits estimated using completed customer questionaires	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	Number 2316 514 1802	% 91.7% 20.3% 71.3%	4.068
D. General Comments and Notes	Site Characteristics/Notes No parking surveys and mode splits estimated using completed customer questionaires	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	Number 2316 514 1802	% 91.7% 20.3% 71.3%	4.068
D. General Comments and Notes	Site Characteristics/Notes No parking surveys and mode splits estimated using completed customer questionaires	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	Number 2316 514 1802 210 186	% 91.7% 20.3% 71.3% 8.3% 7.4%	4.068
General Comments and Notes	Site Characteristics/Notes No parking surveys and mode splits estimated using completed customer questionaires	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle	Number 2316 514 1802 210 186	% 91.7% 20.3% 71.3% 8.3% 7.4%	4.068
General Comments and Notes y Undertaken by (organisation):	Site Characteristics/Notes No parking surveys and mode splits estimated using completed customer questionaires	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle TDC	Number 2316 514 1802 210 186 24 Survey Contact	% 91.7% 20.3% 71.3% 8.3% 7.4%	4.068
General Comments and Notes	Site Characteristics/Notes No parking surveys and mode splits estimated using completed customer questionaires	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle	Number 2316 514 1802 210 186	% 91.7% 20.3% 71.3% 8.3% 7.4%	4.068
General Comments and Notes y Undertaken by (organisation):	Site Characteristics/Notes No parking surveys and mode splits estimated using completed customer questionaires	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle TDC Fred Stone	Number 2316 514 1802 210 186 24 Survey Contact fred@trafficdc.com.au	% 91.7% 20.3% 71.3% 8.3% 7.4% 1.0% Fred Stone	
General Comments and Notes y Undertaken by (organisation):	Site Characteristics/Notes No parking surveys and mode splits estimated using completed customer questionaires	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle TDC	Number 2316 514 1802 210 186 24 Survey Contact fred@trafficdc.com.au Time	% 91.7% 20.3% 71.3% 8.3% 7.4% 1.0% Fred Stone	9:45:00
General Comments and Notes y Undertaken by (organisation):	Site Characteristics/Notes No parking surveys and mode splits estimated using completed customer questionaires	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle TDC Fred Stone	Number 2316 514 1802 210 186 24 Survey Contact fred@trafficdc.com.au Time In (vph)	% 91.7% 20.3% 71.3% 8.3% 7.4% 1.0% Fred Stone 8:45:00 AM 20	9:45:00
y Undertaken by (organisation): urvey Undertaken by (surveyor):	Site Characteristics/Notes No parking surveys and mode splits estimated using completed customer questionaires	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle TDC Fred Stone	Number 2316 514 1802 210 186 24 Survey Contact fred@trafficdc.com.au Time	% 91.7% 20.3% 71.3% 8.3% 7.4% 1.0% Fred Stone 8:45:00 AM 20	9:45:00 Total
y Undertaken by (organisation): Irvey Undertaken by (surveyor): C. Trip Generation	Site Characteristics/Notes No parking surveys and mode splits estimated using completed customer questionaires	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle TDC Fred Stone	Number 2316 514 1802 210 186 24 Survey Contact fred@trafficdc.com.au Time In (vph)	% 91.7% 20.3% 71.3% 8.3% 7.4% 1.0% Fred Stone 8:45:00 AM 20	9:45:00 A
y Undertaken by (organisation): Irvey Undertaken by (surveyor): C. Trip Generation	Site Characteristics/Notes No parking surveys and mode splits estimated using completed customer questionaires	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle TDC Fred Stone	Number 2316 514 1802 210 186 24 Survey Contact fred@trafficdc.com.au Time In (vph)	% 91.7% 20.3% 71.3% 8.3% 7.4% 1.0% Fred Stone 8:45:00 AM 20	9:45:00 A
y Undertaken by (organisation): Irvey Undertaken by (surveyor): C. Trip Generation	Site Characteristics/Notes No parking surveys and mode splits estimated using completed customer questionaires	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle TDC Fred Stone	Number 2316 514 1802 210 186 24 Survey Contact fred@trafficdc.com.au Time In (vph) Out (vph)	% 91.7% 20.3% 71.3% 8.3% 7.4% 1.0% Fred Stone 8:45:00 AM 20 31	9:45:00 A Total 51
y Undertaken by (organisation): Irvey Undertaken by (surveyor): C. Trip Generation	Site Characteristics/Notes No parking surveys and mode splits estimated using completed customer questionaires Site 1.2 Peak trip Rate per 100m² or other unit (state)	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle TDC Fred Stone	Number 2316 514 1802 210 186 24 Survey Contact fred@trafficdc.com.au Time In (vph)	% 91.7% 20.3% 71.3% 8.3% 7.4% 1.0% Fred Stone 8:45:00 AM 20 31	9:45:00 / Total 51

Site Data	Number of Entry/Exits	5			
	Nearby Businesses	Puma Service Station / Car Servicin	<u>g</u>		
Area Characteristics	Surrounding land use	Service station, food and drink outle	ets and residential		
	Nearby on-street parking regime	No nearby on-street parking			
	Principal Adjacent road - Peak Period (Weekday)	АМ	11:00 AM - 12:00 PM		
		PM	12:00 PM - 01:00 PM		
Traffic Generation	Frontage Road AM Peak Period	Time	11:00:00 AM	12:00:00 PM	
		Total	1289		
	Frontage Road PM Peak Period	Time		1:00:00 PM	
	3	Total	1360		
	Frontage Road Daily	Time			
	r romago r toda 2 amj	Total	12635		
	<u> </u>	ı , otar	12000	<u> </u>	
Vehicle Trips	Peak 1-hour Vehicle-trips per Car Space (note parking spaces estimated based on aerials)	AM Dook 4.4		AM Dook 4.0	
		AM Peak 1.1		AM Peak 1.2	
			trips per car space	5.10	
		PM Peak			
		5.70	trips per car space		
		Daily			
		51.40	trips per car space		
	Development Trips during Frontage				
	Road Peaks	AM Peak	11:00:00 AM	12:00:00 PM	
		34			
		PM Peak	12:00:00 PM	1:00:00 PM	
			12.00.001		
		46			
Other Vehicle Trip Rate Info	AM Peak 1-hour Vehicle-trips per Car Space	8.50	Trips per car space	note parking spaces estimated based on aerials	
	PM Peak 1-hour Vehicle-trips per Car Space	5.70	Trips per car space		
	Daily Vehicle-trips per Car Space	51.40	Trips per car space		
Davida Tria	Deily Davida Tring (INI)	Cor Boood	262	Total	24.7
Persons Trips	Daily Persons Trips (IN)	Car Based	263	Total	317
	Average possibles of Description	Other	54		
	Average number of Persons per hour	Doily Book	1		
	Person Trips at Vehicle Peak Hour	Daily Peak			
		Ī		l l	

Persons Trips at Peak Hours

AM Vehicle Peak

PM Vehicle Peak

Pedestrian Peak

Daily Peak Period Daily 6:00:00 AM

11:45:00 AM

6:00:00 AM

25.50

631.50

102 Person Trips

53 Person Trips

7:00:00 AM

12:45:00 PM

7:00:00 AM

Car Wash Bay 100m2 Site Area Frontage (per 100 veh)

5.67

140.33

17.80

19.99

Site 01 - Results Summary Sheet

42-50 Sydney Street, Muswellbrook

Notes: Summary of survey results and preliminary analysis for site, as per RMS template.



A. Site Data L L S S S S F F F F F F F F F F F F F	Activity Name Land Use Description Local Authority (Council) Street Address and Suburb Survey Site General Location Highest Classification of Frontage Road Frontage Road ADT Pedestrian Activity Public Transport Opportunities	Includes Manual Survey? Blue Flame Café and Car Wash Car Wash Café Muswellbrook Council 42-50 Sydney Street, Muswellbrook Suburb Collector 46917 Low Low unknown 4 0 0	6:00:00 AM Yes Maitland Street (New England Highway)	7:00:00 PM	
A. Site Data B. Parking F. C.	Extended Data Collection? NO Activity Name And Use Description Accal Authority (Council) Street Address and Suburb Survey Site General Location Highest Classification of Frontage Road Frontage Road ADT Pedestrian Activity Public Transport Opportunities Approximate Café Seating Capacity Parking Spaces Provided On-Site Other Parking On-Site Other Saff Parking (On-Street/Off-Site) Peak Parking Demand	Includes Manual Survey? Blue Flame Café and Car Wash Car Wash Café Muswellbrook Council 42-50 Sydney Street, Muswellbrook Suburb Collector 46917 Low Low unknown	Yes	7:00:00 PM	
A. Site Data B. Parking F. C.	Extended Data Collection? NO Activity Name And Use Description Accal Authority (Council) Street Address and Suburb Survey Site General Location Highest Classification of Frontage Road Frontage Road ADT Pedestrian Activity Public Transport Opportunities Approximate Café Seating Capacity Parking Spaces Provided On-Site Other Parking On-Site Other Saff Parking (On-Street/Off-Site) Peak Parking Demand	Includes Manual Survey? Blue Flame Café and Car Wash Car Wash Café Muswellbrook Council 42-50 Sydney Street, Muswellbrook Suburb Collector 46917 Low Low unknown	Yes	7:00:00 PM	
A. Site Data B. Parking F G G G G G G G G G G G G	Activity Name Land Use Description Local Authority (Council) Street Address and Suburb Survey Site General Location Highest Classification of Frontage Road Frontage Road ADT Pedestrian Activity Public Transport Opportunities Approximate Café Seating Capacity Parking Spaces Provided On-Site Other Parking Spaces (On-Street/Off-Site) Staff Parking On-Site Other Saff Parking (On-Street/Off-Site) Peak Parking Demand	Blue Flame Café and Car Wash Car Wash Café Muswellbrook Council 42-50 Sydney Street, Muswellbrook Suburb Collector 46917 Low Low unknown			
A. Site Data B. Parking F G G G G G G G G G G G G	Activity Name Land Use Description Local Authority (Council) Street Address and Suburb Survey Site General Location Highest Classification of Frontage Road Frontage Road ADT Pedestrian Activity Public Transport Opportunities Approximate Café Seating Capacity Parking Spaces Provided On-Site Other Parking Spaces (On-Street/Off-Site) Staff Parking On-Site Other Saff Parking (On-Street/Off-Site) Peak Parking Demand	Blue Flame Café and Car Wash Car Wash Café Muswellbrook Council 42-50 Sydney Street, Muswellbrook Suburb Collector 46917 Low Low unknown			
A. Site Data B. Parking F G G G G G G G G G G G G	Activity Name Land Use Description Local Authority (Council) Street Address and Suburb Survey Site General Location Highest Classification of Frontage Road Frontage Road ADT Pedestrian Activity Public Transport Opportunities Approximate Café Seating Capacity Parking Spaces Provided On-Site Other Parking Spaces (On-Street/Off-Site) Staff Parking On-Site Other Saff Parking (On-Street/Off-Site) Peak Parking Demand	Blue Flame Café and Car Wash Car Wash Café Muswellbrook Council 42-50 Sydney Street, Muswellbrook Suburb Collector 46917 Low Low unknown			
B. Parking F	Land Use Description Local Authority (Council) Street Address and Suburb Survey Site General Location Highest Classification of Frontage Road Frontage Road ADT Pedestrian Activity Public Transport Opportunities Approximate Café Seating Capacity Parking Spaces Provided On-Site Other Parking Spaces (On-Street/Off-Site) Staff Parking On-Site Other Saff Parking (On-Street/Off-Site) Peak Parking Demand	Car Wash Café Muswellbrook Council 42-50 Sydney Street, Muswellbrook Suburb Collector 46917 Low Low unknown	Maitland Street (New England Highway)		
B. Parking F	Land Use Description Local Authority (Council) Street Address and Suburb Survey Site General Location Highest Classification of Frontage Road Frontage Road ADT Pedestrian Activity Public Transport Opportunities Approximate Café Seating Capacity Parking Spaces Provided On-Site Other Parking Spaces (On-Street/Off-Site) Staff Parking On-Site Other Saff Parking (On-Street/Off-Site) Peak Parking Demand	Car Wash Café Muswellbrook Council 42-50 Sydney Street, Muswellbrook Suburb Collector 46917 Low Low unknown	Maitland Street (New England Highway)		
B. Parking F	Land Use Description Local Authority (Council) Street Address and Suburb Survey Site General Location Highest Classification of Frontage Road Frontage Road ADT Pedestrian Activity Public Transport Opportunities Approximate Café Seating Capacity Parking Spaces Provided On-Site Other Parking Spaces (On-Street/Off-Site) Staff Parking On-Site Other Saff Parking (On-Street/Off-Site) Peak Parking Demand	Car Wash Café Muswellbrook Council 42-50 Sydney Street, Muswellbrook Suburb Collector 46917 Low Low unknown	Maitland Street (New England Highway)		
B. Parking F	Cocal Authority (Council) Street Address and Suburb Survey Site General Location Highest Classification of Frontage Road Frontage Road ADT Pedestrian Activity Public Transport Opportunities Approximate Café Seating Capacity Parking Spaces Provided On-Site Other Parking Spaces (On-Street/Off-Site) Staff Parking On-Site Other Saff Parking (On-Street/Off-Site) Peak Parking Demand	Muswellbrook Council 42-50 Sydney Street, Muswellbrook Suburb Collector 46917 Low Low unknown	Maitland Street (New England Highway)		
B. Parking F	Street Address and Suburb Survey Site General Location Highest Classification of Frontage Road Frontage Road ADT Pedestrian Activity Public Transport Opportunities Approximate Café Seating Capacity Parking Spaces Provided On-Site Other Parking Spaces (On-Street/Off-Site) Staff Parking On-Site Other Saff Parking (On-Street/Off-Site) Peak Parking Demand	42-50 Sydney Street, Muswellbrook Suburb Collector 46917 Low Low unknown	Maitland Street (New England Highway)		
B. Parking F	Survey Site General Location Highest Classification of Frontage Road Frontage Road ADT Pedestrian Activity Public Transport Opportunities Approximate Café Seating Capacity Parking Spaces Provided On-Site Other Parking Spaces (On-Street/Off-Site) Staff Parking On-Site Other Saff Parking (On-Street/Off-Site) Peak Parking Demand	Suburb Collector 46917 Low Low unknown	Maitland Street (New England Highway)		
B. Parking F	Parking Spaces Provided On-Site Other Parking On-Site Other Saff Parking (On-Street/Off-Site) Other Saff Parking (On-Street/Off-Site) Other Saff Parking Demand	Collector 46917 Low Low unknown 4 0	Maitland Street (New England Highway)		
B. Parking F C C	Frontage Road ADT Pedestrian Activity Public Transport Opportunities Approximate Café Seating Capacity Parking Spaces Provided On-Site Other Parking Spaces (On-Street/Off-Site) Staff Parking On-Site Other Saff Parking (On-Street/Off-Site) Peak Parking Demand	Low unknown 4 0			
B. Parking F C C	Public Transport Opportunities Approximate Café Seating Capacity Parking Spaces Provided On-Site Other Parking Spaces (On-Street/Off-Site) Staff Parking On-Site Other Saff Parking (On-Street/Off-Site) Peak Parking Demand	Low unknown 4 0			
B. Parking F C S C F	Approximate Café Seating Capacity Parking Spaces Provided On-Site Other Parking Spaces (On-Street/Off-Site) Staff Parking On-Site Other Saff Parking (On-Street/Off-Site) Peak Parking Demand	unknown 4 0			
B. Parking F C S C F	Parking Spaces Provided On-Site Other Parking Spaces (On-Street/Off-Site) Staff Parking On-Site Other Saff Parking (On-Street/Off-Site) Peak Parking Demand	4 0			
Parking F	Other Parking Spaces (On-Street/Off-Site) Staff Parking On-Site Other Saff Parking (On-Street/Off-Site) Peak Parking Demand	0			
Parking F	Other Parking Spaces (On-Street/Off-Site) Staff Parking On-Site Other Saff Parking (On-Street/Off-Site) Peak Parking Demand	0			
Parking F	Other Parking Spaces (On-Street/Off-Site) Staff Parking On-Site Other Saff Parking (On-Street/Off-Site) Peak Parking Demand	0			•
Parking F	Other Parking Spaces (On-Street/Off-Site) Staff Parking On-Site Other Saff Parking (On-Street/Off-Site) Peak Parking Demand	0			I
Parking F	Other Parking Spaces (On-Street/Off-Site) Staff Parking On-Site Other Saff Parking (On-Street/Off-Site) Peak Parking Demand	0		·	
C.	Other Parking Spaces (On-Street/Off-Site) Staff Parking On-Site Other Saff Parking (On-Street/Off-Site) Peak Parking Demand	0	•		I
C.	Staff Parking On-Site Other Saff Parking (On-Street/Off-Site) Peak Parking Demand		<u> </u>	†	
C.	Other Saff Parking (On-Street/Off-Site) Peak Parking Demand				<u> </u>
C.		0			
C.	Peak Parking Demand During Survey	NA	ma	ax occupied spaces	NA
C.		Peak Parking Demand/400m2 CEA	GFA Peak Parking Demand/ Employ		nlovee
		Peak Parking Demand/ 100m2 GFA NA	Peak P	Parking Demand/ Em	pioyee
	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time		0.45.00 AM
			In (vph)	7:15:00 AM 22	8:15:00 AM
			iii (vpii)	22	
			Out (vph)		
				27	
		Daily	Time	6:00:00 AM	7:00:00
			Total In + Out (Vpd)		I
				331	<u> </u>
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 v
		Daily Peak Period	4.0833	2.7222	16.9550
		Daily	27.5833	18.3889	56.8729
					I
					I
					
D.					I
eneral Comments and Notes					
S	Site Characteristics/Notes	Daily Mode Split			
,	Alternate survey method used. No parking surveys				
C	or customer questionaires. No survey personell on-				I
	site, all survey done using cameras	Modal Split	Number	%	İ
		Total Private Vehicles	331	70.3%	<u> </u>
		Car (as driver)	1629	77.6%	
		Car (as passenger)			
					I
					I
		Taxi	110	00.007	Γ
		Total Alt Trans (PT and Active) On Foot	112 112	23.8% 0.0%	
		Bus	112	0.070	
		Cycle	28	5.9%	
Undertaken by (organisation):		TDC	Survey Contact	Fred Stone	
vey Undertaken by (surveyor):		Fred Stone	fred@trafficdc.com.au		
		Daily Peak Period excludes 6-8	Time	9:15:00 AM	10:15:00 AM
			In (vph)		٦
C.			Out (vph)	31	
	Site 1.2				
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 v
		Daily Peak Period	4.0000	2.6667	16.6090
C.					
	Site 1.2				
Trip Generation					
Trip Generation	2		Car Wash Bay	100m2 Site Area	Frontage (per 100 v
Trip Generation	Peak trip Rate per 100m ² or other unit (state)				
Trip Generation		AM Peak Period	12.7500		

Site Data	Number of Entry/Exits	5				
	Nearby Businesses	Puma Service Station / Car Servicino	g			
Area Characteristics	ourrounding land use	Service station, food and drink outle	ets and residential			
	Nearby on-street parking regime	No nearby on-street parking				
Traffic Generation	Link Trips	Peak % Daily %		of peak responses of all responses	NA NA	
	Frontage Road Peak Period	Time	11:30:00 AM	12:30:00 PM	IVA	
	Tromage Head Fear Ferred	Total	953			
	Frontage Road Daily	Time	6:00 AM			
		Total	582			
	Development Peak - Frontage Road Traffi					
		Total	289			
Other Vehicle Trip Rate Info	Peak 1-hour Vehicle-trips per Car Space 1.1	12.25	Trips per car space	Vehicle-trips per C	12.00	note parking spaces estimated based on aerials
	Daily Vehicle-trips per Car Space	82.75	Trips per car space		l	
Persons Trips	Daily Persons Trips (IN)	Car Based		Total		
•						
		Other				
	Average number of Persons per hour					
	Person Trips at Vehicle Peak Hour	Daily Peak				
	Persons Trips at Peak Hours	Vehicle Peak				
		Pedestrian Peak				
			Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)	
		Daily Peak Period				
		Daily Peak Period Daily	Cal Wasii bay	TOUTIZ Sile Area	rromage (per 100 ven)	

Site 01 - Results Summary Sheet 42-50 Sydney Street, Muswellbrook

Notes: Summary of survey results and preliminary analysis for site, as per RMS template.



		traffic engineering • transport planning			
Survey for:	Roads and Maritime Serivces NSW			Office Ref Only	
-					
Survey Period Date and Time	Sunday	31st March 2019	6:00:00 AM	7:00:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	Voo		
	Extended Data Collection? NO	Includes Manual Survey?	Yes		
Α.					
Site Data	Activity Name	Blue Flame Café and Car Wash			
	Land Use Description	Car Wash Café			
	Local Authority (Council)	Muswellbrook Council			
	Street Address and Suburb	42-50 Sydney Street, Muswellbrook			
	-	Suburb	Maidand Street (Nov. England Highway)		
	Highest Classification of Frontage Road Frontage Road ADT	Collector 46917	Maitland Street (New England Highway)		
	Pedestrian Activity	Low			
	Public Transport Opportunities	Low			
	Approximate Café Seating Capacity	unknown			
B. Parking	Parking Spaces Provided On Site	A			
i ainiig	Parking Spaces Provided On-Site Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand	NA	m	ax occupied spaces	NA
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA	Peak F	Parking Demand/ Em	plovee
		NA	r oak i	NA NA	.p.oyee
C.	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time		
Trip Generation	one ourveyed Arrivar / Departure Flow	Daily Feak Fellou	Time	10:30:00 AM	11:30:00 AM
			In (vph)		Т
			Out (vph)		
		 Daily	Time	33 6:00:00 AM	7:00:00
		Bany			7.00.00
			Total In + Out (Vpd)	328	
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 ve
		Daily Peak Period	4.5833	3.0556	7.6923
		Daily	27.3333	18.2222	40.0488
D					
D. General Comments and Notes					
General Comments and Notes	Site Characteristics/Notes	Daily Mode Split			
General Comments and Notes	Alternate survey method used. No parking surveys	Daily Mode Split			
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-				
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split	Number	%	
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles	328	79.4%	
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split			
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver)	328	79.4%	
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver)	328	79.4%	
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger)	328	79.4%	
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	328 1698	79.4% 80.4%	
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	328 1698	79.4% 80.4%	
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	328 1698 68 68	79.4% 80.4% 16.5% 0.0%	
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	328 1698	79.4% 80.4%	
General Comments and Notes y Undertaken by (organisation):	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle	328 1698 68 68	79.4% 80.4% 16.5% 0.0%	
General Comments and Notes y Undertaken by (organisation):	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle TDC	328 1698 68 68 17 Survey Contact	79.4% 80.4% 16.5% 0.0%	
General Comments and Notes y Undertaken by (organisation):	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle TDC Fred Stone	328 1698 68 68 17 Survey Contact	79.4% 80.4% 16.5% 0.0% 4.1% Fred Stone	12:00:00 AM
General Comments and Notes y Undertaken by (organisation):	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle TDC	328 1698 68 68 17 Survey Contact fred@trafficdc.com.au Time In (vph)	79.4% 80.4% 16.5% 0.0% 4.1% Fred Stone	12:00:00 AM T
y Undertaken by (organisation): irvey Undertaken by (surveyor):	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle TDC Fred Stone	328 1698 68 68 17 Survey Contact fred@trafficdc.com.au Time	79.4% 80.4% 16.5% 0.0% 4.1% Fred Stone	
y Undertaken by (organisation): urvey Undertaken by (surveyor):	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle TDC Fred Stone	328 1698 68 68 17 Survey Contact fred@trafficdc.com.au Time In (vph)	79.4% 80.4% 16.5% 0.0% 4.1% Fred Stone	
y Undertaken by (organisation): urvey Undertaken by (surveyor):	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle TDC Fred Stone	328 1698 68 68 17 Survey Contact fred@trafficdc.com.au Time In (vph)	79.4% 80.4% 16.5% 0.0% 4.1% Fred Stone	Т
y Undertaken by (organisation): urvey Undertaken by (surveyor):	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras Site 1.2	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle TDC Fred Stone	328 1698 68 68 17 Survey Contact fred@trafficdc.com.au Time In (vph) Out (vph)	79.4% 80.4% 16.5% 0.0% 4.1% Fred Stone	Т
ey Undertaken by (organisation): urvey Undertaken by (surveyor):	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras Site 1.2	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle TDC Fred Stone Daily Peak Period	328 1698 68 68 17 Survey Contact fred@trafficdc.com.au Time In (vph) Out (vph) Car Wash Bay	79.4% 80.4% 16.5% 0.0% 4.1% Fred Stone 11:15:00 AM 0	Frontage (per 100 v
ey Undertaken by (organisation): urvey Undertaken by (surveyor): C. Trip Generation C.	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras Site 1.2	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle TDC Fred Stone Daily Peak Period	328 1698 68 68 17 Survey Contact fred@trafficdc.com.au Time In (vph) Out (vph) Car Wash Bay	79.4% 80.4% 16.5% 0.0% 4.1% Fred Stone 11:15:00 AM 0	Frontage (per 100 v
ey Undertaken by (organisation): urvey Undertaken by (surveyor): C. Trip Generation C. Trip Generation	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras Site 1.2	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle TDC Fred Stone Daily Peak Period	328 1698 68 68 17 Survey Contact fred@trafficdc.com.au Time In (vph) Out (vph) Car Wash Bay	79.4% 80.4% 16.5% 0.0% 4.1% Fred Stone 11:15:00 AM 0	Frontage (per 100 v
cy Undertaken by (organisation): urvey Undertaken by (surveyor): C. Trip Generation C. Trip Generation	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras Site 1.2 Trip Rate Per 100m2 or other unit (state) Site 1.2	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle TDC Fred Stone Daily Peak Period	328 1698 68 68 17 Survey Contact fred@trafficdc.com.au Time In (vph) Out (vph) Car Wash Bay	79.4% 80.4% 16.5% 0.0% 4.1% Fred Stone 11:15:00 AM 0	Frontage (per 100 v
ey Undertaken by (organisation): urvey Undertaken by (surveyor): C. Trip Generation C. Trip Generation	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras Site 1.2 Trip Rate Per 100m2 or other unit (state) Site 1.2 Peak trip Rate per 100m² or other unit (state)	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle TDC Fred Stone Daily Peak Period Daily Peak Period	328 1698 68 68 17 Survey Contact fred@trafficdc.com.au Time In (vph) Out (vph) Out (vph) Car Wash Bay 4.0000 Car Wash Bay	79.4% 80.4% 16.5% 0.0% 4.1% Fred Stone 11:15:00 AM 0 0 100m2 Site Area 2.6667	Frontage (per 100 von 16.6090) Frontage (per 100 von 16.6090)
cy Undertaken by (organisation): urvey Undertaken by (surveyor): C. Trip Generation C. Trip Generation	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras Site 1.2 Trip Rate Per 100m2 or other unit (state) Site 1.2 Peak trip Rate per 100m² or other unit (state)	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle TDC Fred Stone Daily Peak Period	328 1698 68 68 17 Survey Contact fred @trafficdc.com.au Time In (vph) Out (vph) Car Wash Bay 4.0000	79.4% 80.4% 16.5% 0.0% 4.1% Fred Stone 11:15:00 AM 0 0 100m2 Site Area 2.6667	Frontage (per 100 ve

0:4- D-4-	Number of Fator/Frito				
Site Data	Number of Entry/Exits	5 Puma Service Station / Car Servicin	<u> </u>		
	Nearby Businesses	ruma Service Station / Car Servicing	9		
Area					
Characteristics	Surrounding land use	Service station, food and drink outle	ate and recidential		
	Nearby on-street parking regime	No nearby on-street parking	ets and residential		
	inearby on-street parking regime	INO Hearby Oil-Street parking			
				T	
Traffic	Link Trips	Peak %			
Generation			NA	of peak responses	NA
	5 . 5 . 5	Daily %	NA 0.45.00 PM	of all responses	NA
	Frontage Road Peak Period	Time	2:45:00 PM	3:45:00 PM	
	5 , 5 , 15 ,	Total -	965		
	Frontage Road Daily	Time	6:00 AM		
		Total	819		
	Development Peak - Frontage Road Traffic	Time	10:30 AM		
		Total	715		
		T		<u> </u>	
Other Vehicle				note parking	
Trip Rate Info	Peak 1-hour Vehicle-trips per Car Space	13.75	Trips per car space	spaces estimated	
, , , , , , , ,				based on aerials	
	Daily Vehicle-trips per Car Space	82.00	Trips per car space		
Persons Trips	Daily Persons Trips (IN)	Car Based		Total	
		Other			
	Average number of Persons per hour				
	Person Trips at Vehicle Peak Hour	Daily Peak			
	Persons Trips at Peak Hours	Vehicle Peak			
		Pedestrian Peak			
			Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
			Sai Wasii Day	TOUTHE ONE AIGH	. romago (por 100 veri)
		Daily Peak Period			
		Daily			
		• •	•		
				<u></u>	
	Development Trips during Frontage Road Peaks				
		Peak			
		i can			
		16			
		10	1		

Site 02 - Results Summary Sheet 2/1190 Old Windsor Road, Parklea Blacktown

Notes: Summary of survey results and preliminary analysis for site, as per RMS template.



<u> </u>					
Survey for:	: Roads and Maritime Serivces NSW			Office Ref Only:	
Survey Period Date and Time	Friday	14th June 2019	7:30:00 AM	5:30:00 PM	
	11144)	Transdate Zere	710010071111	0.00.001 111	
	Extended Data Collection? NO				
		Includes Manual Survey?	No		
A.					
Site Data	Activity Name	CARSPA Autowash Café, Parlea			
		Car Wash Café			
	Land Use Description				
	Local Authority (Council)	Blacktown City Council			
		2/1190 Old Windsor Road, Parklea Black	town		
	Survey Site General Location	Suburbs			
	Highest Classification of Frontage Road	Collector	Old Windsor Road		
	Frontage Road ADT	33155			
	Pedestrian Activity	Low			
	Public Transport Opportunities	High			
		22 Seats Outside			
	Approximate Gale Seating Capacity	22 Seats Outside			
	_				
B. Porking	Davidson On D. 11 10 05				
Parking	Parking Spaces Provided On-Site	11			
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	1			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand		ma	ax occupied spaces	
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA	Pea	k Parking Demand/	Staff
		T Cak F arking Demand/ Toom 2 of A	1 64		Otan
			Ī	T T	
C.	Cita Companyed Applical / Departure Flagge	AM Dook Doving	Time		
Trip Generation	Site Surveyed Arrival / Departure Flow	AM Peak Period	Time		44.00.00 AM
				10:00:00 AM	11:00:00 AM
			In (vph)	16	Total
			Out (vph)		
				10	26
	-	D14.D			
		PM Peak Period	Time	12:15:00 PM	1:15:00 PM
			In (vph)		
			l "I (VpII)	8	Total
	7		Out (vph)	18	26
				10	20
		-		10	20
		Daily	Time	7:30:00 AM	
	_	Daily	Time	7:30:00 AM	
	Pook trip Boto per 400m² or other with /-t-t-	Daily	Time Total In + Out (Vpd)	7:30:00 AM 163	5:30:00 F
	Peak trip Rate per 100m ² or other unit (state)		Time Total In + Out (Vpd) Car Wash Bay	7:30:00 AM 163 100m2 Site Area	5:30:00 F Frontage (per 100 vel
		AM Peak Period	Time Total In + Out (Vpd) Car Wash Bay 2.8889	7:30:00 AM 163 100m2 Site Area 1.6720	5:30:00 F Frontage (per 100 ve 0.89
		AM Peak Period PM Peak Period	Time Total In + Out (Vpd) Car Wash Bay 2.8889 2.8889	7:30:00 AM 163 100m2 Site Area 1.6720 1.6720	5:30:00 F Frontage (per 100 ve 0.89 0.80
		AM Peak Period	Time Total In + Out (Vpd) Car Wash Bay 2.8889	7:30:00 AM 163 100m2 Site Area 1.6720	5:30:00 F Frontage (per 100 ve 0.89
		AM Peak Period PM Peak Period	Time Total In + Out (Vpd) Car Wash Bay 2.8889 2.8889	7:30:00 AM 163 100m2 Site Area 1.6720 1.6720	5:30:00 F Frontage (per 100 ve 0.89 0.80
D.		AM Peak Period PM Peak Period Daily	Time Total In + Out (Vpd) Car Wash Bay 2.8889 2.8889	7:30:00 AM 163 100m2 Site Area 1.6720 1.6720	5:30:00 F Frontage (per 100 ve 0.89 0.80
D. General Comments and Notes		AM Peak Period PM Peak Period	Time Total In + Out (Vpd) Car Wash Bay 2.8889 2.8889	7:30:00 AM 163 100m2 Site Area 1.6720 1.6720	5:30:00 F Frontage (per 100 ve 0.89 0.80
	Site Characteristics/Notes	AM Peak Period PM Peak Period Daily	Time Total In + Out (Vpd) Car Wash Bay 2.8889 2.8889	7:30:00 AM 163 100m2 Site Area 1.6720 1.6720	5:30:00 F Frontage (per 100 ve 0.89 0.80
	Site Characteristics/Notes Alternate survey method used. No parking	AM Peak Period PM Peak Period Daily	Time Total In + Out (Vpd) Car Wash Bay 2.8889 2.8889	7:30:00 AM 163 100m2 Site Area 1.6720 1.6720	5:30:00 F Frontage (per 100 ve 0.89 0.80
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	AM Peak Period PM Peak Period Daily Daily Mode Split	Time Total In + Out (Vpd) Car Wash Bay 2.8889 2.8889	7:30:00 AM 163 100m2 Site Area 1.6720 1.6720	5:30:00 F Frontage (per 100 ve 0.89 0.80
	Site Characteristics/Notes Alternate survey method used. No parking	AM Peak Period PM Peak Period Daily	Time Total In + Out (Vpd) Car Wash Bay 2.8889 2.8889	7:30:00 AM 163 100m2 Site Area 1.6720 1.6720	5:30:00 F Frontage (per 100 ve 0.89 0.80
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split	Time Total In + Out (Vpd) Car Wash Bay 2.8889 2.81111 Number	7:30:00 AM 163 100m2 Site Area 1.6720 1.6720 10.4823	5:30:00 F Frontage (per 100 ve 0.89 0.80
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles	Time Total In + Out (Vpd) Car Wash Bay 2.8889 2.8889 18.1111 Number 163	7:30:00 AM 163 100m2 Site Area 1.6720 1.6720 10.4823	5:30:00 F Frontage (per 100 ve 0.89 0.80
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split	Time Total In + Out (Vpd) Car Wash Bay 2.8889 2.81111 Number	7:30:00 AM 163 100m2 Site Area 1.6720 1.6720 10.4823	5:30:00 F Frontage (per 100 ve 0.89 0.80
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles	Time Total In + Out (Vpd) Car Wash Bay 2.8889 2.8889 18.1111 Number 163	7:30:00 AM 163 100m2 Site Area 1.6720 1.6720 10.4823	5:30:00 F Frontage (per 100 ve 0.89 0.80 0.4916
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger)	Time Total In + Out (Vpd) Car Wash Bay 2.8889 2.8889 18.1111 Number 163	7:30:00 AM 163 100m2 Site Area 1.6720 1.6720 10.4823	5:30:00 F Frontage (per 100 ve
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi	Time Total In + Out (Vpd) Car Wash Bay 2.8889 2.8889 18.1111 Number 163 163	7:30:00 AM 163 100m2 Site Area 1.6720 1.6720 10.4823	5:30:00 F Frontage (per 100 ve 0.89 0.80 0.4916
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger)	Time Total In + Out (Vpd) Car Wash Bay 2.8889 2.8889 18.1111 Number 163	7:30:00 AM 163 100m2 Site Area 1.6720 1.6720 10.4823	5:30:00 F Frontage (per 100 ve
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	Time Total In + Out (Vpd) Car Wash Bay 2.8889 2.8889 18.1111 Number 163 163	7:30:00 AM 163 100m2 Site Area 1.6720 1.6720 10.4823	5:30:00 F Frontage (per 100 ve
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	Time Total In + Out (Vpd) Car Wash Bay 2.8889 2.8889 18.1111 Number 163 163 40 40	7:30:00 AM 163 100m2 Site Area 1.6720 1.6720 10.4823 % 80.3% 80.3% 19.7% 19.7%	5:30:00 I Frontage (per 100 ve 0.89 0.80 0.4916
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	Time Total In + Out (Vpd) Car Wash Bay 2.8889 2.8889 18.1111 Number 163 163 40 40 0	7:30:00 AM 163 100m2 Site Area 1.6720 1.6720 10.4823 % 80.3% 80.3% 19.7% 19.7% 0.0%	5:30:00 F Frontage (per 100 ve
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle	Time Total In + Out (Vpd) Car Wash Bay 2.8889 2.8889 18.1111 Number 163 163 40 40	7:30:00 AM 163 100m2 Site Area 1.6720 1.6720 10.4823 % 80.3% 80.3% 19.7% 19.7%	5:30:00 F Frontage (per 100 ve 0.89 0.80 0.4916 Not surveyed Not surveyed
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	Time Total In + Out (Vpd) Car Wash Bay 2.8889 2.8889 18.1111 Number 163 163 40 40 0	7:30:00 AM 163 100m2 Site Area 1.6720 1.6720 10.4823 % 80.3% 80.3% 19.7% 19.7% 0.0%	5:30:00 F Frontage (per 100 ve

Site Data	Number of Entry/Exits	2			
	Nearby Businesses	Caltex Service Station			
Area					
Characteristics	Surrounding land use	Service station, food and drink outle			
	Nearby on-street parking regime	No nearby on-street parking			
	Principal Adjacent road - Peak Period				
	(Weekday)	AM	07:30 AM - 08:30 AM		
	(**************************************	PM	03:15 PM - 04:15 PM		
Traffic	5 / 5 /445 / 5 / /				
Generation	Frontage Road AM Peak Period	Time	7:30:00 AM	8:30:00 AM	
		Total	3384		
	Frontage Road PM Peak Period	Time	3:15:00 PM	4:15:00 PM	
		Total	3963		
	Frontage Road Daily	Time	7:30:00 AM		
		Total	33155		
	T - : :	T			
	Peak 1-hour Vehicle-trips per Car				
Vehicle Trips	Space (note parking spaces estimated				
	based on aerials)	AM Peak			
			trips per car space		
		PM Peak			
			trips per car space		
		Daily	tring nor our ange		
	Davida mart Tria during Frants a	14.02	trips per car space		
	Development Trips during Frontage Road Peaks	AM Peak	7:30:00 AM	8:30:00 AM	
	Road Feaks	12		0.30.00 AW	
		PM Peak	3:15:00 PM	4:15:00 PM	
		I WI Cak	0.10.001101	4.10.001101	
		13			
Other Vehicle	AM Peak 1-hour Vehicle-trips per Car	0.00	- ·	note parking	
Trip Rate Info	Space	2.36	Trips per car space	spaces estimated	
	·			based on aerials	
	PM Peak 1-hour Vehicle-trips per Car	2.26	Tring per cor cocc		
	Space	2.36	Trips per car space		
	Daily Vehicle-trips per Car Space		Trips per car space		
		14.00	Tripo per car opace		

Site 02 - Results Summary Sheet 2/1190 Old Windsor Road, Parklea Blacktown

Notes: Summary of survey results and preliminary analysis for site, as per RMS template.



, , ,	rollimitary analysis for site, as per raise template.			traffic engineering •transport plan	ning	
Survey for:	Roads and Maritime Serivces NSW			Office Ref Only		
				,		
Survey Period Date and Time	Saturday	15th June 2019	7:00:00 AM	5:30:00 PM		
	Extended Data Collection? NO	Includes Manual Survey?	Yes			
_						
Α.						
Site Data	Activity Name	CARSPA Autowash Café, Parlea				
	Land Use Description	Car Wash Café				
	Local Authority (Council)	Blacktown City Council				
	Street Address and Suburb	2/1190 Old Windsor Road, Parklea Black	ctown			
	Survey Site General Location	Suburb				
	Highest Classification of Frontage Road	Collector	Old Windsor Road			
	Frontage Road ADT	46917				
	Pedestrian Activity	Low				
	Public Transport Opportunities	High				
	Approximate Café Seating Capacity	22 Seats Outside				
B.						
Parking	Parking Spaces Provided On-Site	11				
	Other Parking Spaces (On-Street/Off-Site)	0				
	Staff Parking On-Site	1				
	Other Saff Parking (On-Street/Off-Site)	0				
	Peak Parking Demand	NA	ma	ax occupied spaces	NA	
	Peak Parking Demand During Survey		·			
	Feak Farking Demand During Survey			arking Demand/ En	nand/ Employee	
		NA				
C.	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time			
Trip Generation				1:00:00 PM	2:00:00 PM	
			In (vph)	10	Tota	
			Out (vph)			
				11	2.	
		Daily	Time	7:00:00 AM	5:30:00 PN	
		Dany	Time	7.00.00 7.101	0.00.00 T N	
			Total In + Out (Vpd)			
				152		
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)	
		Daily Book Boried	2.3333	1.3505	0.4866	
		Daily Peak Period	16.8889	9.7749	0.3887	
		Daily	10.0009	9.7749	0.3007	
D. General Comments and Notes						
Concrai Comments and Notes	Site Characteristics/Notes	Daily Mode Split				
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-					
	site, all survey done using cameras	Modal Split	Number	%		
		Total Private Vehicles	152	91.0%		
		Car (as driver)	0	0.0%		
		Car (as passenger)				
		Taxi				
		Total Alt Trans (PT and Active)	15	9.0%		
		On Foot	15	9.0%		
		Bus	0	0.0%		
		Cycle	0	0.0%		
ey Undertaken by (organisation):		TDC	Survey Contact	Fred Stone		
Survey Undertaken by (surveyor):		Fred Stone	fred@trafficdc.com.au			
ruivey Onderlaken by (Survevon).						

Site Data	Number of Entry/Exits	2				
	Nearby Businesses	Caltex Service Station				
	Surrounding land use	Service station, food and drink outle	ets and residential			
	Nearby on-street parking regime	No nearby on-street parking				
Traffic Consortion	Link Tring	Dook 9/	NA NA	lof nock roop oppose	NA	
Traffic Generation	Link Trips	Peak % Daily %		of peak responses of all responses	NA NA	\dashv
	Frantago Pood Pook Parind	Time	12:45:00 PM	1:45:00 PM	INA	\dashv
	Frontage Road Peak Period	Total	12.45.00 FW 4319			\dashv
	Frontage Road Daily	Time	7:00 AM			\dashv
	Tronlage Noad Daily	Total	39100			\dashv
	Development Peak - Frontage Road Traffic	Time	1:00 PM			\dashv
	Development I cak - I formage Road Traine	Total	4316			\dashv
		, ota,	1010			\dashv
Other Vehicle Trip Rate Info	Peak 1-hour Vehicle-trips per Car Space	1.91	Trips per car space	note parking spaces estimated based on aerials		note parking spaces estimated based on aerials
	Daily Vehicle-trips per Car Space	13.82	Trips per car space			
	Development Trips during Frontage Road Peaks	Peak				

Site 02 - Results Summary Sheet 2/1190 Old Windsor Road, Parklea Blacktown

2/1190 Old Windsor Road, Parklea Blacktown

Notes: Summary of survey results and preliminary analysis for site, as per RMS template.



Survey for:				traffic engineering •transport plan	g
	Roads and Maritime Serivces NSW			Office Ref Only	
				,	
Survey Period Date and Time	Sunday	16th June 2019	7:00:00 AM	5:30:00 PM	
,	,				
Exter	ended Data Collection? NO	Includes Manual Survey?	No		
A.					
710077		CARSPA Autowash Café, Parlea			
	,	Car Wash Café			
Loca	cal Authority (Council)	Blacktown City Council			
Stree	eet Address and Suburb	2/1190 Old Windsor Road, Parklea Blackt	town		
Surv		Suburbs			
		Collector	Old Windsor Rd		
l l'ight	Frontage Road ADT	46917	Cia Willasoi Ita		
Dode		40917			
	destrian Activity				
	blic Transport Opportunities				
Appr	proximate Café Seating Capacity	22 Seats Outside			
B.					
	king Spaces Provided On-Site	11			
	ner Parking Spaces (On-Street/Off-Site)	0			
	ff Parking On-Site	1			
Othe	ner Saff Parking (On-Street/Off-Site)	0			
Peak	ak Parking Demand	NA	ma	ax occupied spaces	NA
Peak	ak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA	Peak P	arking Demand/ Em	nlovee
	}		I ear I		ipioyee
		NA	<u> </u>	NA	
C.					
	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time		
Trip Generation				8:45:00 AM	9:45:00 AM
	†		In (vph)	5	Total
	ŀ		<i>"" (VP!)</i>		. ota.
			Out (vph)		
			Out (VpH)		
				5	10
		Daily	Time	7:00:00 AM	5:30:00 PM
	}	Daily	Time	7.00.00 AIVI	3.30.001 10
			Total In + Out (Vpd)		
			10tai 111 + Out (Vpa)	64	
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
	The reace real rooms of other unit (state)		Cai Wasii Bay	1001112 Offe Area	Tromage (per 100 veri)
		Daily Peak Period	1.1111	6.4516	0.4513
	,				
		Daily	7.1111	41.2903	0.2163
D.					
General Comments and Notes		B # 44 + 6 #			
Site (e Characteristics/Notes	Daily Mode Split			
Alta	ornate survey method used. No parking survey				
	ernate survey method used. No parking surveys				
or cu	customer questionaires. No survey personell on-				
	site, all survey done using cameras	Modal Split	Number	%	
		Total Private Vehicles	64	91.4%	
		Car (as driver)	0	0.0%	
		Car (as passenger)			
			•		
		Tavi			
		Taxi		0.007	
		Total Alt Trans (PT and Active)	6	8.6%	
		Total Alt Trans (PT and Active) On Foot	6	8.6%	
		Total Alt Trans (PT and Active)			
		Total Alt Trans (PT and Active) On Foot Bus	6	8.6%	
vey Undertaken by (organisation):		Total Alt Trans (PT and Active) On Foot Bus Cycle	6 0 0	8.6% 0.0% 0.0%	
vey Undertaken by (organisation): Survey Undertaken by (surveyor):		Total Alt Trans (PT and Active) On Foot Bus	6 0 0	8.6% 0.0%	

Site Data	Number of Entry/Exits	2]
	Nearby Businesses	Caltex Service Station				
Area						!
Characteristics	Surrounding land use	Surrounding land use				
	Nearby on-street parking regime	No nearby on-street parking				
	product parking regime	no nearby on otreet parking				1
Fraffic Generation	Link Trips	Peak %	NA	of peak responses	NA	1
Tallic Generation	LIIIK TTIPS	Daily %		of all responses	NA	
	Frontage Road Peak Period	Time	11:45:00 AM	12:45:00 PM	147 (1
	r romage read r edit r emed	Total	3569			
	Frontage Road Daily	Time	7:00 AM			
		Total	29586			
	Development Peak - Frontage Road Traffic	Time	8:45 AM	9:45 AM		
		Total	2216]
	T		T	T		
						note park
Other Vehicle Trip				note parking		spaces
Rate Info	Peak 1-hour Vehicle-trips per Car Space	0.91	Trips per car space	spaces estimated		estimate
				based on aerials		based o
		4				aerials
	Deily Vehicle tries as a Company	5.00	Tuina nananananan			
	Daily Vehicle-trips per Car Space	5.82	Trips per car space			-
						<u> </u>
	D]			
	Development Trips during Frontage Road Peaks	Peak				

Site 03 - Results Summary Sheet 1052 Forest Road, Lugarno



2. 3a. 7a, 100ana ana promini	lary analysis for site, as per Kino template.			traffic engineering • transport plan	nning
Survey for:	Roads and Maritime Serivces NSW			Office Ref Only:	
Survey Period Date and Time	Friday	14th June 2019	8:00:00 AM	5:00:00 PM	
	Extended Data Collection? NO				
		Includes Manual Survey?	No		
	T				
A. Site Data					
Site Data	Activity Name Land Use Description	Lugarno Café Car Wash Car Wash & Café			
	Local Authority (Council)	Georges River			
	Street Address and Suburb	1052 Forest Road, Lugarno			
	Survey Site General Location	Suburbs			
	Highest Classification of Frontage Road Frontage Road ADT	Minor Arterial 6000	Forest Rd		
	Pedestrian Activity	Moderate			
	Public Transport Opportunities	Moderate			
	Approximate Café Seating Capacity	29		l	
B. Parking	Paulsing Change Dravided On Site				
r arning	Parking Spaces Provided On-Site Other Parking Spaces (On-Street/Off-Site)	0		+	
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand		m	ax occupied spaces	
	Peak Parking Demand During Survey				
	To dan't dirining Domaina Daming Carrey	Peak Parking Demand/ 100m2 GFA	Peak Parking Demand/ Staff		
C.	Site Surveyed Arrival / Departure Flow	AM Peak Period	Time		
Trip Generation	Site Surveyed Arrivar / Departure Flow	ANT CART CHOC	Time	10:30:00 AM	11:30:00 AM
	1		In (vph)		Total
					1
			Out (vph)		
					45
	-	DM Pools Povins	Time	7 12:30:00 PM	15 1:30:00 PM
	-	PM Peak Period	Time	12.30.00 PW	1.30.00 PM
			In (vph)	10	Total
	1		Out (vph)		18
	1	Doile			-
		Daily	Time	6.00.00 Alvi	5:00:00 P
			Total In + Out (Vpd)		
	Peak trip Rate per 100m ² or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh
	-	AM Peak Period PM Peak Period	3.7500 4.5000		
	1	Daily	28.0000		
	<u> </u>	~~" <i>J</i>	20.0000	17.0044	1.7000
D	Site Characteristics /N-1-1-	Doily Mada Calif			
General Comments and Notes	Site Characteristics/Notes	Daily Mode Split			
	Alternate survey method used. No parking				
	surveys or customer questionaires. No survey				
	personell on-site, all survey done using cameras	Modal Split	Number	%	
		Total Private Vehicles	112	76.2%	
		Car (as driver)	112	76.2%	
		Car (as passenger)			Not surveyed
		Taxi			Not surveyed
		Total Alt Trans (PT and Active)	35	23.8%	,
				23.8%	
		On Foot	35	20.070	
		On Foot Bus	35 0		Not surveyed
		Bus	0	0.0%	Not surveyed
urvey Undertaken by (organisation):					Not surveyed

Site Data	Number of Entry/Exits	2			
One Bata	Nearby Businesses	The Workshop Auto Centre			
	The second secon			<u> </u>	
Area					
Characteristics	Surrounding land use	Mechanic and Service Station			
	Nearby on-street parking regime	On-street parking available			
	Principal Adjacent road - Peak Period (Weekday)	AM	08:15 AM - 09:15 AM		
		PM	03:45 PM - 04:45 PM		
Traffic Generation	Frontage Road AM Peak Period	Time	8:15:00 AM	9:15:00 AM	
		Total	906		
	Frontage Road PM Peak Period	Time	3:45:00 PM	4:45:00 PM	
		Total	930	40.00.00	
	Frontage Road Daily	Time	8:00:00 AM	12:00:00 AM	
		Total	6341		
Vehicle Trips	Peak 1-hour Vehicle-trips per Car Space (note parking spaces estimated based on aerials)	AM Peak			
		3.75 PM Peak	trips per car space		
			trips per car space		
		Daily 4.50	liips pei cai space		
			trips per car space		
	Development Trips during Frontage Road Peaks	AM Peak	8:15:00 AM	9:15:00 AM	
		12			
		PM Peak	3:45:00 PM	4:45:00 PM	
		12			
	_				
Other Vehicle Trip Rate Info	AM Peak 1-hour Vehicle-trips per Car Space	3.75	Trips per car space	note parking spaces estimated based on aerials	
	PM Peak 1-hour Vehicle-trips per Car Space	4.50	Trips per car space		
	Daily Vehicle-trips per Car Space	28.00	Trips per car space		
		1			

Site 03 - Results Summary Sheet 1052 Forest Road, Lugarno



	rollimitary analysis for site, as per rivine template.			traffic engineering • transpo	rt planning
Survey for:	Roads and Maritime Serivces NSW			Office Ref Only	
Survey Period Date and Time	Saturday	15th June 2019	8:00:00 AM	5:00:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
Α.					
Site Data	Activity Name	Lugarno Café Car Wash			
	Land Use Description	Car Wash & Café			
	Local Authority (Council)	Georges River			
	Street Address and Suburb	1052 Forest Road, Lugarno			
	Survey Site General Location	Suburbs			
	Highest Classification of Frontage Road	Minor Arterial	Forest Rd		
	Frontage Road ADT			T	
	Pedestrian Activity	Moderate			
	Public Transport Opportunities	Moderate 29			
	Approximate Café Seating Capacity				
В.					
Parking	Parking Spaces Provided On-Site	4			
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Street/Off Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand	NA	max c	occupied spaces	NA
	Peak Parking Demand During Survey				
		Peak Parking Demand/ 100m2 GFA	Peak Pa	rking Demand/ E	mployee
		NA	T	NA	
C. Trip Generation	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time	11:45:00 AM	12:45:00 PM
			In (vph)	13	Tota
			Out (vph)	13	2
		Daily	Time	8:00:00 AM	5:00:00 P
			Total In + Out (Vpd)	142	
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 ve
		Dally David David	0.5000	0.446=	0.4=:=
		Daily Peak Period	6.5000	3.4437	2.4715
		Daily	35.5000	18.8079	1.7520
D. General Comments and Notes	Site Characteristics/Notes	Daily Mode Split			
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-				
	site, all survey done using cameras	Modal Split	Number	%	
		Total Private Vehicles	142	87.1%	
		Car (as driver)	0	0.0%	
		Car (as passenger)			
		Taxi			
		Total Alt Trans (PT and Active)	21	12.9%	
		On Foot	21	12.9%	
		Bus	<u> </u>	0.0%	
		Cycle	0	0.0%	
ey Undertaken by (organisation):		TDC	Survey Contact	Fred Stone	
Survey Undertaken by (surveyor):		Fred Stone	fred@trafficdc.com.au		

Site Data	Number of Entry/Exits	2				
	Nearby Businesses	The Workshop Auto Centre				
	,	·				
	T					
Area						
Characteristics	Surrounding land use	Mechanic and Service Station				
	Nearby on-street parking regime	On-street parking available				
	realby on-street parking regime	On-street parking available				
T (" 0 "	1:17:	D 100	I NIA	[-t	NIA	_
Traffic Generation	Link Trips	Peak %		of peak responses	NA	
	5 . 5 . 5 . 5	Daily %		of all responses	NA	
	Frontage Road Peak Period	Time	4:30:00 PM	5:30:00 PM		_
		Total	2569			
	Frontage Road Daily	Time	8:00 AM			
		Total	8105			
	Development Peak - Frontage Road Traffic	Time	11:45 AM			
		Total	1052			_
						note parking
				note parking		spaces
Other Vehicle Trip	Peak 1-hour Vehicle-trips per Car Space	6.50	Trips per car space	spaces estimated		estimated
Rate Info	r car r noar vernere anpe per car opace	0.00		based on aerials		based on
				bassa sir asriais		aerials
		1				4011410
	Daily Vehicle-trips per Car Space	35.50	Trips per car space			
	Daily Verlicie-trips per Car Space	35.50	Trips per car space			

Site 03 - Results Summary Sheet 1052 Forest Road, Lugarno



, ,	reminary analysis for site, as per ravie template.			traffic engineering •transport plan	ning
Survey for:	Roads and Maritime Serivces NSW			Office Ref Only	
				,	
Survey Period Date and Time	Sunday	28th July 2019	8:00:00 AM	5:00:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
A. Site Data	Activity Name Land Use Description	Lugarno Café Car Wash Car Wash & Café			
	Local Authority (Council)	Georges River			
			T	T	
	Street Address and Suburb	1052 Forest Road, Lugarno			
	Survey Site General Location	Suburbs			
	Highest Classification of Frontage Road	Minor Arterial	Forest Rd		
	Frontage Road ADT	0			
	Pedestrian Activity	Moderate			
	Public Transport Opportunities	Moderate			
	Approximate Café Seating Capacity	29			
	r pprosumate can be coarried as passing				
В.					
Parking	Parking Spaces Provided On-Site	4			
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand	NA	ma	ax occupied spaces	NA
	Peak Parking Demand During Survey	Dook Parking Domand/ 100m2 CEA	Dook D	Oarking Domand/En	anlovos
		Peak Parking Demand/ 100m2 GFA	Peak P	Parking Demand/ Em	ipioyee
		NA	T	NA	
C. Trip Generation	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time	11:30:00 AM	12:30:00 PM
			In (vph)	15	Total
			Out (vph)	11	26
		Daily	Time	8:00:00 AM	5:00:00 PM
			Total In + Out (Vpd)	170	
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
		Daily Peak Period	6.5000	3.4437	3.0338
		Daily	42.5000	22.5166	2.4394
D. General Comments and Notes	Site Characteristics/Notes	Daily Mode Split			
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras		Number	%	
		Total Private Vehicles	170	88.5%	
		Car (as driver)	0	0.0%	
		Car (as passenger)	<u> </u>	3.570	
		ou. (de passenger)			
		Taxi			
1		Total Alt Trans (PT and Active)	22	11.5%	
		On Foot	22	11.5%	
		On Foot Bus	22	11.5% 0.0%	
		Bus	0	0.0%	
you Indortakan hu (arraniantian)		Bus Cycle	0	0.0% 0.0%	
vey Undertaken by (organisation):		Bus Cycle TDC	0 0 Survey Contact	0.0%	
ey Undertaken by (organisation): Survey Undertaken by (surveyor):		Bus Cycle	0	0.0% 0.0%	

	Nearby Businesses				
	inearby businesses	The Workshop Auto Centre			
	,				
Area					
Characteristics	Surrounding land use				
	Nearby on-street parking regime				
Traffic Generation	Link Trips	Peak %	NA	of peak responses	NA
		Daily %	NA	of all responses	NA
	Frontage Road Peak Period	Time	12:15:00 PM	1:15:00 PM	
		Total	994		
	Frontage Road Daily	Time			
		Total	6969		
	Development Peak - Frontage Road Traffic	Time			
		Total	857		
	T	<u> </u>			
		ı		note parking spaces	
Other Vehicle Trip	Peak 1-hour Vehicle-trips per Car Space	6.50	Trips per car space	estimated based on	
Rate Info	Todak i riodi vermere unpe per odi opace	0.00	The poi cal space	aerials	
		ı			
		ı			
		ı			
	Daily Vehicle-trips per Car Space	42.50	Trips per car space		
		ı			
			1		

Site 04 - Results Summary Sheet 375 Cleveland Street, Redfern



				traffic engineering • transport plan	
Survey for:	Roads and Maritime Serivces NSW			Office Ref Only:	
Survey Period Date and Time	Friday	14th June 2019	7:00:00 AM	6:00:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
		,	•		
A.					
Site Data	Activity Name	 Wax Car Wash			
	Land Use Description	Car Wash & Café			
		Sydney			
	Local Hamony (Council)	l			Ī
	Street Address and Suburb	375 Cleveland Street, Redfern			
	Survey Site General Location	Suburbs			
	Highest Classification of Frontage Road	Collector	Cleveland Street		
	Frontage Road ADT	21000			
	Pedestrian Activity	Moderate			
	Public Transport Opportunities	Moderate			
	Approximate Café Seating Capacity	16 Outside		-	
B. Parking	Parking Spaces Provided On Site	4			
i arking	Parking Spaces Provided On-Site Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand	,	l ma	ax occupied spaces	
				ax occupiou opacco	
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA	Pea	k Parking Demand/	Staff
C. Trip Generation	Site Surveyed Arrival / Departure Flow	AM Peak Period	Time	10:45:00 AM	11:45:00 AM
]		In (vph)	17	Total
	1				1
			Out (unh)		
			Out (vph)		
				13	30
	1	PM Peak Period	Time	2:15:00 PM	3:15:00 PM
	1				
			In (vph)	17	Total
	 -			17 15	Total 32
			Out (vph)	17	
		Daily		17	32
		Daily	Out (vph)	7:00:00 AM	32
	Peak trip Rate per 100m ² or other unit (state)	Daily	Out (vph) Time Total In + Out (Vpd)	7:00:00 AM 206	32 6:00:00 P
	Peak trip Rate per 100m ² or other unit (state)	Daily AM Peak Period	Out (vph) Time	7:00:00 AM 206 100m2 Site Area	32 6:00:00 F Frontage (per 100 vel
			Out (vph) Time Total In + Out (Vpd) Car Wash Bay	7:00:00 AM 206 100m2 Site Area 3.1579	32 6:00:00 F Frontage (per 100 vel 1.57
		AM Peak Period	Out (vph) Time Total In + Out (Vpd) Car Wash Bay 6.0000	7:00:00 AM 206 100m2 Site Area 3.1579 3.3684	32 6:00:00 P Frontage (per 100 vel 1.573
		AM Peak Period PM Peak Period	Out (vph) Time Total In + Out (Vpd) Car Wash Bay 6.0000 6.4000	7:00:00 AM 206 100m2 Site Area 3.1579 3.3684	32 6:00:00 P Frontage (per 100 ver 1.573
D.		AM Peak Period PM Peak Period Daily	Out (vph) Time Total In + Out (Vpd) Car Wash Bay 6.0000 6.4000	7:00:00 AM 206 100m2 Site Area 3.1579 3.3684	32 6:00:00 F Frontage (per 100 vel 1.57: 1.50:
D. General Comments and Notes		AM Peak Period PM Peak Period	Out (vph) Time Total In + Out (Vpd) Car Wash Bay 6.0000 6.4000	7:00:00 AM 206 100m2 Site Area 3.1579 3.3684	32 6:00:00 F Frontage (per 100 vel 1.57: 1.50:
		AM Peak Period PM Peak Period Daily	Out (vph) Time Total In + Out (Vpd) Car Wash Bay 6.0000 6.4000	7:00:00 AM 206 100m2 Site Area 3.1579 3.3684	32 6:00:00 F Frontage (per 100 vel 1.57 1.50
	Site Characteristics/Notes	AM Peak Period PM Peak Period Daily	Out (vph) Time Total In + Out (Vpd) Car Wash Bay 6.0000 6.4000	7:00:00 AM 206 100m2 Site Area 3.1579 3.3684	32 6:00:00 F Frontage (per 100 ve 1.57 1.50
	Site Characteristics/Notes Alternate survey method used. No parking	AM Peak Period PM Peak Period Daily Daily Mode Split	Out (vph) Time Total In + Out (Vpd) Car Wash Bay 6.0000 6.4000 41.2000	7:00:00 AM 206 100m2 Site Area 3.1579 3.3684 21.6842	32 6:00:00 F Frontage (per 100 vel 1.57 1.50
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split	Out (vph) Time Total In + Out (Vpd) Car Wash Bay 6.0000 6.4000 41.2000	7:00:00 AM 206 100m2 Site Area 3.1579 3.3684 21.6842	32 6:00:00 F Frontage (per 100 vel 1.57 1.50
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles	Out (vph) Time Total In + Out (Vpd) Car Wash Bay 6.0000 6.4000 41.2000 Number 206	7:00:00 AM 206 100m2 Site Area 3.1579 3.3684 21.6842	32 6:00:00 F Frontage (per 100 ve 1.57 1.50
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split	Out (vph) Time Total In + Out (Vpd) Car Wash Bay 6.0000 6.4000 41.2000	7:00:00 AM 206 100m2 Site Area 3.1579 3.3684 21.6842	32 6:00:00 F Frontage (per 100 ve 1.57 1.50
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles	Out (vph) Time Total In + Out (Vpd) Car Wash Bay 6.0000 6.4000 41.2000 Number 206	7:00:00 AM 206 100m2 Site Area 3.1579 3.3684 21.6842	32 6:00:00 F Frontage (per 100 ve 1.57 1.50
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver)	Out (vph) Time Total In + Out (Vpd) Car Wash Bay 6.0000 6.4000 41.2000 Number 206	7:00:00 AM 206 100m2 Site Area 3.1579 3.3684 21.6842	6:00:00 F Frontage (per 100 ve
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi	Out (vph) Time Total In + Out (Vpd) Car Wash Bay 6.0000 6.4000 41.2000 Number 206 206	7:00:00 AM 206 100m2 Site Area 3.1579 3.3684 21.6842 % 61.7% 61.7%	6:00:00 F Frontage (per 100 ve 1.57 1.50 0.9824
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	Out (vph) Time Total In + Out (Vpd) Car Wash Bay 6.0000 6.4000 41.2000 Number 206 206	7:00:00 AM 206 100m2 Site Area 3.1579 3.3684 21.6842 % 61.7% 61.7% 38.3%	6:00:00 F Frontage (per 100 ve
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	Out (vph) Time Total In + Out (Vpd) Car Wash Bay 6.0000 6.4000 41.2000 Number 206 206 128 128	7:00:00 AM 206 100m2 Site Area 3.1579 3.3684 21.6842 % 61.7% 61.7% 38.3% 38.3%	6:00:00 F Frontage (per 100 ver 1.57 1.50 0.9824
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	Out (vph) Time Total In + Out (Vpd) Car Wash Bay 6.0000 6.4000 41.2000 Number 206 206 128 128 0	7:00:00 AM 206 100m2 Site Area 3.1579 3.3684 21.6842 % 61.7% 61.7% 38.3% 38.3% 0.0%	6:00:00 F Frontage (per 100 ve
General Comments and Notes	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle	Out (vph) Time Total In + Out (Vpd) Car Wash Bay 6.0000 6.4000 41.2000 Number 206 206 128 128 0 0	7:00:00 AM 206 100m2 Site Area 3.1579 3.3684 21.6842 % 61.7% 61.7% 38.3% 38.3% 0.0% 0.0%	6:00:00 F Frontage (per 100 ve 1.57 1.50 0.9824 Not surveyed Not surveyed
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	Out (vph) Time Total In + Out (Vpd) Car Wash Bay 6.0000 6.4000 41.2000 Number 206 206 128 128 0	7:00:00 AM 206 100m2 Site Area 3.1579 3.3684 21.6842 % 61.7% 61.7% 38.3% 38.3% 0.0%	6:00:00 F Frontage (per 100 vel 1.57 1.50 0.9824 Not surveyed Not surveyed

Site Data	Number of Entry/Exits	1			
	Nearby Businesses	NA			
Area					
Characteristics	Surrounding land use	Residental and Retail			
	Nearby on-street parking regime	On-street parking availble on Mar	riott Street		
	Principal Adjacent road - Peak Period				
	(Weekday)	AM	00.00 AM 00.00 AM		
	(Weekday)	DM	08:00 AM - 09:00 AM 05:00 PM - 06:00 PM		
		PM	05.00 PIVI - 06.00 PIVI		
Traffic		I			
Generation	Frontage Road AM Peak Period	Time	8:00:00 AM	9:00:00 AM	
Ceneration		Total	2169		
	Frontage Road PM Peak Period	Time	5:00:00 PM	6:00:00 PM	
		Total	2241		
	Frontage Road Daily	Time		5:00:00 PM	
		Total	20969		
	Peak 1-hour Vehicle-trips per Car				
Vehicle Trips	Space (note parking spaces estimated				
volucio impo	based on aerials)	AM Peak			
	,				
		7 50	trips per car space		
		PM Peak	inpo per car opace		
			trips per car space		
		Daily	inpo por car opaco		
			trips per car space		
	Development Trips during Frontage		and a base of the same		
	Road Peaks	AM Peak	8:00:00 AM	9:00:00 AM	
		18		0.00.00	
		PM Peak	3:15:00 PM	6:00:00 PM	
		6			
Other Vehicle	AM Peak 1-hour Vehicle-trips per Car	7.50	- .	note parking	
Trip Rate Info	Space	7.50	Trips per car space	spaces estimated	
·	· ·			based on aerials	
		1			
	PM Peak 1-hour Vehicle-trips per Car	0.00	+ ·		
	Space	8.00	Trips per car space		
	i i	1			
	Deily Vehicle tring and One Or a		Tuina nan aan aa		
	Daily Vehicle-trips per Car Space	51.50	Trips per car space		
			i l		

Site 04 - Results Summary Sheet 375 Cleveland Street, Redfern



Survey for:				traffic engineering • transport pla	nning
	Roads and Maritime Serivces NSW			Office Ref Only	
	. 158.55 S. Id Indianii Goniyood 11077			SO ROI OINY	
			 		
Survey Period Date and Time	Saturday	15th June 2019	7:00:00 AM	6:00:00 PM	
Extend	nded Data Collection? NO	Includes Manual Survey?	No		
Exterio	idea Bata Collection: 140	includes Maridal Survey!	INO		
A.					
Site Data Activity	rity Name	Wax Car Wash			
Land I	Use Description	Car Wash & Café			
	,	Sydney			
				T T	
		375 Cleveland Street, Redfern			
Surve	ey Site General Location	Suburbs			
Highe	est Classification of Frontage Road	Collector	Cleveland Street		
	Frontage Road ADT	21405			
	· ·			I	
		Moderate			
Public	ic Transport Opportunities	Moderate			
		16 outside			
Αρριο	JAITTALE Care Sealing Capacity	TO Outside			
В.	_				
Parking Parkin	ing Spaces Provided On-Site	4			
	r Parking Spaces (On-Street/Off-Site)	0			
	Parking On-Site	0			
Other	r Saff Parking (On-Street/Off-Site)	0			
D4-	- Davidson Damand	NIA			NIA
Peak I	Rearking Demand	NA	max occupied spaces N		NA
Peak I	R Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA	Peak P	arking Demand/ En	anlovee
			r ear r		прюуее
		NA		NA	
				<u> </u>	
C.	Oite Our and Amine I / Description Floor	Daily Book Boried	Time		
Trip Generation	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time		
The Constant				8:00:00 AM	9:00:00 AM
			In (vph)	23	Tota
)		(
			Out (vph)		
				12	3
		Daily	Time	7:00:00 AM	6:00:00 PM
		Bany	Time	7.00.0074171	0.00.0011
			Total In + Out (Vpd)		
			Total III + Out (Vpu)	224	
 	Trip Data Day 400m2 an ath an arely () ()		Car Mach Day		Erontogo (no. 100
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
		=			
		Daily Peak Period	7.0000	3.6842	1.8991
	,	Daily	44.8000	23.5789	1.0465
		,			
				<u></u>	
D.					
General Comments and Notes					
	Characteristics/Notes	Daily Mode Split			
Ott = 0	Characteristics/Notes	Daily Mode Split			
Site C			i	I	
	nate survey method used. No perking surveys				_
Altern	rnate survey method used. No parking surveys				
Altern	rnate survey method used. No parking surveys ustomer questionaires. No survey personell on-				
Altern	ustomer questionaires. No survey personell on-	M 440 '''			
Altern	ustomer questionaires. No survey personell on- site, all survey done using cameras	Modal Split	Number	%	
Altern	ustomer questionaires. No survey personell on- site, all survey done using cameras	Modal Split Total Private Vehicles	Number 224	% 92.2%	
Altern	ustomer questionaires. No survey personell on- site, all survey done using cameras	Total Private Vehicles	224	92.2%	
Altern	ustomer questionaires. No survey personell on- site, all survey done using cameras	Total Private Vehicles Car (as driver)			
Altern	ustomer questionaires. No survey personell on- site, all survey done using cameras	Total Private Vehicles	224	92.2%	
Altern	ustomer questionaires. No survey personell on- site, all survey done using cameras	Total Private Vehicles Car (as driver)	224	92.2%	
Altern	ustomer questionaires. No survey personell on- site, all survey done using cameras	Total Private Vehicles Car (as driver)	224	92.2%	
Altern	ustomer questionaires. No survey personell on- site, all survey done using cameras	Total Private Vehicles Car (as driver)	224	92.2%	
Altern	ustomer questionaires. No survey personell on- site, all survey done using cameras	Total Private Vehicles Car (as driver) Car (as passenger)	224	92.2%	
Altern	ustomer questionaires. No survey personell on- site, all survey done using cameras	Total Private Vehicles Car (as driver)	224	92.2%	
Altern	ustomer questionaires. No survey personell on- site, all survey done using cameras	Total Private Vehicles Car (as driver) Car (as passenger) Taxi	0	92.2% 0.0%	
Altern	ustomer questionaires. No survey personell on- site, all survey done using cameras	Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	224 0	92.2% 0.0% 7.8%	
Altern	ustomer questionaires. No survey personell on- site, all survey done using cameras	Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	224 0 19	92.2% 0.0% 7.8% 7.8%	
Altern	ustomer questionaires. No survey personell on- site, all survey done using cameras	Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	224 0	7.8% 7.8% 0.0%	
Altern	ustomer questionaires. No survey personell on- site, all survey done using cameras	Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	224 0 19	92.2% 0.0% 7.8% 7.8%	
Alternor cus	ustomer questionaires. No survey personell on- site, all survey done using cameras	Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle	224 0 19 19 0 0	7.8% 7.8% 0.0%	
Altern	ustomer questionaires. No survey personell on- site, all survey done using cameras	Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	224 0 19 19 0	7.8% 7.8% 0.0%	

Site Data	Number of Entry/Exits	1]
	Nearby Businesses	NA				1
	-					
Area						
Characteristics	Surrounding land use	Residental and Retail				
	Nearby on-street parking regime	On-street parking availble on Mar	riott Street			1
						1
Traffic Generation	Link Trips	Peak %	NA	of peak responses	NA	
	·	Daily %	NA	of all responses	NA	
	Frontage Road Peak Period	Time	12:45:00 PM	1:45:00 PM]
		Total	2340			
	Frontage Road Daily	Time	7:00 AM			
		Total	21405			_
	Development Peak - Frontage Road Traffic	Time	8:00 AM			
		Total	1843			-
						note parking
O4 - V 1: 1 - T :				note parking		spaces
Other Vehicle Trip Rate Info	Peak 1-hour Vehicle-trips per Car Space	8.75	Trips per car space	spaces estimated		estimated
Rate into				based on aerials		based on
						aerials
	Daily Vehicle-trips per Car Space	56.00	Trips per car space	1		
		1	The Fee can obaco			
	Development Trips during Frontage Road Peaks					

Site 04 - Results Summary Sheet 375 Cleveland Street, Redfern

Notes: Summary of survey results and preliminary analysis for site, as per RMS template.



Survey for:	Roads and Maritime Serivces NSW	Т	1	Office Ref Only	T
Survey for:	Roads and Mantime Services NSW			Office Ref Only	
Survey Period Date and Time	Sunday	16th June 2019	7:00:00 AM	6:00:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
A. Site Data	Activity Name	Wax Car Wash			
!	Land Use Description	Car Wash & Café			
	Local Authority (Council)	Sydney			
!	Street Address and Suburb	375 Cleveland Street, Redfern			
	Survey Site General Location	Suburbs			
!	Highest Classification of Frontage Road	Collector	Cleveland Street		
!	Frontage Road ADT	0	0.010.00.00		
	Pedestrian Activity	Moderate			
	Public Transport Opportunities	Moderate			
	Approximate Café Seating Capacity	16 outside			
B. Parking	Parking Spaces Provided On Site	4			
. arking	Parking Spaces Provided On-Site	0	 		
!	Other Parking Spaces (On-Street/Off-Site)				
!	Staff Parking On-Site	0			
!	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand	NA	ma	ax occupied spaces	NA
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA NA	Peak Parking Demand/ Employee NA		
C. Trip Generation	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time	11:45:00 AM	12:45:00 PM
!			In (vph)	20	Tota
			Out (vph)	40	00
!		5 "		19	39
		Daily	Time	7:00:00 AM	6:00:00 PN
			Total In + Out (Vpd)	250	
!	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
	The Rate For Tooms of Street and (State)		Car Wash Bay	TOOTHE ONE THOU	Tromage (per 100 veri)
		Daily Peak Period	7.8000	4.1053	1.9959
		Daily	50.0000	26.3158	1.2442
		Dany	30.0000	20.3130	1.2472
D. General Comments and Notes	Site Characteristics/Notes	Daily Mode Split			
Contrar Comments and Notes					
	Alternate survey method used. No parking surveys	Dany mede opin			
			Number	%	
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-	Modal Split	Number 250	% 94.3%	
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-	Modal Split Total Private Vehicles	250	94.3%	
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-	Modal Split Total Private Vehicles Car (as driver)			
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-	Modal Split Total Private Vehicles	250	94.3%	
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi	250	94.3% 0.0%	
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-	Modal Split Total Private Vehicles Car (as driver) Car (as passenger)	250	94.3%	
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi	250 0	94.3% 0.0% 5.7%	
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	250 0 15	94.3% 0.0% 5.7% 5.7%	
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	250 0 15 15 0	94.3% 0.0% 5.7% 5.7% 0.0%	
vey Undertaken by (organisation):	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	250 0 15 15 0 0	94.3% 0.0% 5.7% 5.7%	

Site Data	Number of Entry/Exits	1			
	Nearby Businesses	NA			
	· · · ·				
Area					
Characteristics	Surrounding land use	Residental and Retail			
	Nearby on-street parking regime	On-street parking availble on Marri	ott Street		
Traffic Generation	Link Trips	Peak %	NA	of peak responses	NA
	,	Daily %	NA	of all responses	NA
	Frontage Road Peak Period	Time	1:45:00 PM	2:45:00 PM	
		Total	2400		
	Frontage Road Daily	Time	7:00 AM	5:30 PM	
		Total	20093		
	Development Peak - Frontage Road Traffic	Time	11:45 AM	12:45 PM	
		Total	1954		
				note parking spaces	
Other Vehicle Trip	Peak 1-hour Vehicle-trips per Car Space	9.75	Trips per car space	estimated based on	
Rate Info				aerials	
		\dashv			
		62.50	Trips per car space		
	Daily Vehicle-trips per Car Space				

Development Trips during Frontage Road Peaks
Peak

Site 05 - Results Summary Sheet

118/120 Balgownie Road, Balgownie Road

Notes: Summary of survey results and preliminary analysis for site, as per RMS template.



				tranto originostring - transport plan	
Survey for	Roads and Maritime Serivces NSW			Office Ref Only:	
Survey Period Date and Time	Friday	14th June 2019	9:00:00 AM	5:00:00 PM	
	Extended Data Collection? NO				
	Exterided Data Collection? NO	Includes Manual Survey?	No		
Α.					
Site Data	Activity Name	Hands on Car Wash			
	Land Use Description	Car Wash Café			
	Local Authority (Council)	Wollongong			
	Leodar Hauriority (Codinolly	TV Chicking Chicking			
	Street Address and Suburb	118/120 Balgownie Road, Balgownie Roa	d		
	Survey Site General Location	Suburbs			
	Highest Classification of Frontage Road	Collector	Balgownie Road		
	Frontage Road ADT	3000			
	Pedestrian Activity	Low			
	Public Transport Opportunities	Moderate			
	Approximate Café Seating Capacity	4 Outside			
	J. P. C.				
B. Parking	Parking Change Provided On City	7			
Parking	Parking Spaces Provided On-Site	7			
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand		m	ax occupied spaces	
	Peak Parking Demand During Survey		_		
		Peak Parking Demand/ 100m2 GFA	Pea	k Parking Demand/	Staff
C. Trip Generation	Site Surveyed Arrival / Departure Flow	AM Peak Period	Time	11:00:00 AM	12:00:00 PM
	4		In (vph)		Total
			Out (vph)		14
	4	DM Pook Paried	Timo	3:15:00 PM	4:15:00 PM
	_	PM Peak Period	Time	3.13.00 FW	4. 15.00 FW
			In (vph)		
	4			10	Total
			Out (vph)	13	23
		Daily	Time	0.00.00 AM	F.00.00 D
	_	,		9:00:00 AM	5:00:00 Pl
			Total In + Out (Vpd)		
	Peak trip Rate per 100m ² or other unit (state)		Car Wash Bay		Frontage (per 100 veh
		AM Peak Period	4.6667		3.988
		PM Peak Period	7.6667		
		Daily	34.0000	15.5725	3.1298
_		T	T	1	
D. General Comments and Notes	Site Characteristics/Notes	Daily Mode Split			
		i e	Î		
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	M 110 W			
		Wodar Opin	Number	%	
	surveys or customer questionaires. No survey	Modal Split Total Private Vehicles	Number 102	% 87.9%	
	surveys or customer questionaires. No survey	Wodar Opin			
	surveys or customer questionaires. No survey	Total Private Vehicles Car (as driver)	102	87.9% 87.9%	Not surveved
	surveys or customer questionaires. No survey	Total Private Vehicles Car (as driver) Car (as passenger)	102	87.9% 87.9%	Not surveyed
	surveys or customer questionaires. No survey	Total Private Vehicles Car (as driver) Car (as passenger) Taxi	102 102	87.9% 87.9%	Not surveyed Not surveyed
	surveys or customer questionaires. No survey	Total Private Vehicles Car (as driver) Car (as passenger)	102	87.9% 87.9%	·
	surveys or customer questionaires. No survey	Total Private Vehicles Car (as driver) Car (as passenger) Taxi	102 102	87.9% 87.9%	
	surveys or customer questionaires. No survey	Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	102 102 14 14	87.9% 87.9% 12.1%	Not surveyed
	surveys or customer questionaires. No survey	Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	102 102 14 14 14 0	87.9% 87.9% 12.1% 12.1% 0.0%	
Survey Undertaken by (organisation):	surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle	102 102 14 14 0 0	87.9% 87.9% 12.1% 12.1% 0.0%	Not surveyed
Survey Undertaken by (organisation): Survey Undertaken by (surveyor):	surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	102 102 14 14 14 0	87.9% 87.9% 12.1% 12.1% 0.0%	Not surveyed

	T	T		
Site Data	Number of Entry/Exits	3		
	Nearby Businesses	Vitex Motors		
Area				
Characteristics	Surrounding land use	Residential and Commerical		
	Nearby on-street parking regime	On-street parking available		
		on on our parking available		
	Principal Adjacent road - Peak Period	AM		
	(Weekday)		09:00 AM - 10:00 AM	
		PM	03:00 PM - 04:00 PM	
	T	T	· · · · · · · · · · · · · · · · · · ·	
Traffic Generation	Frontage Road AM Peak Period	Time	9:00:00 AM	10:00:00 AM
Conordian		Total	419	
	Frontage Road PM Peak Period	Time	3:00:00 PM	4:00:00 PM
	The state of the s	Total	494	
	Frontage Road Daily	Time	9:00:00 AM	12:00:00 AM
		Total	3259	
		7 0.0.1	0200	
	Peak 1-hour Vehicle-trips per Car			
Vehicle Trips				
verlicie Trips	Space (note parking spaces estimated based on aerials)	AM Dook		
	based on aeriais)	AM Peak		
			trips per car space	
		PM Peak		
			trips per car space	
		Daily		
		14.57	trips per car space	
	Development Trips during Frontage			
	Road Peaks	AM Peak	9:00:00 AM	10:00:00 AM
		8		
		PM Peak	3:15:00 PM	4:00:00 PM
		20		
Other Vehicle	AM Peak 1-hour Vehicle-trips per Car			note parking
Trip Rate Info	Space	2.00	Trips per car space	spaces estimated
				based on aerials
		1		
	PM Pook 1 hour Vohiolo tring nor Cor			
	PM Peak 1-hour Vehicle-trips per Car	3.29	Trips per car space	
	Space	-	,	
	Daily Vehicle-trips per Car Space	14.57	Trips per car space	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.57	' '	

Site 05 - Results Summary Sheet 118/120 Balgownie Road, Balgownie Road



Survey for:	Roads and Maritime Serivces NSW			Office Ref Only	
Survey Period Date and Time	Saturday	15th June 2019	9:00:00 AM	5:00:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
A. Site Data	Activity Name	Hands on Car Wash			
	Land Use Description Local Authority (Council)	Car Wash Café Wollongong			
	Street Address and Suburb	118/120 Balgownie Road, Balgownie Roa	ad		
	Survey Site General Location	Suburbs			
		Collector	Balgownie Road		
	Frontage Road ADT Pedestrian Activity	3000 Low		Γ	
		Moderate			
	Approximate Café Seating Capacity	4 Outside			
B. Parking	Parking Spaces Provided On-Site	7			
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand	NA max occupied spaces NA			
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA NA	Peak P	arking Demand/ En	nployee
C. Trip Generation	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time	10:45:00 AM	11:45:00 AM
			In (vph)		Tota
			Out (vph)		
				9	14
		Daily	Time	9:00:00 AM	5:00:00 PM
			Total In + Out (Vpd)	50	
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
		Daily Dook Davied	4.6667	0.4074	2.7422
		Daily Peak Period Daily	4.6667 16.6667	2.1374 7.6336	3.7433 1.7532
D. General Comments and					
Notes	Site Characteristics/Notes	Daily Mode Solit			
Notes	Site Characteristics/Notes	Daily Mode Split			
Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-				
Notes	Alternate survey method used. No parking surveys	Modal Split	Number	%	
Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-	Modal Split Total Private Vehicles	50	83.3%	
Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver)			
Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles	50	83.3%	
Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger)	50	83.3% 0.0%	
Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	50 0	83.3% 0.0%	
Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	50	83.3% 0.0%	
Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	50 0	83.3% 0.0%	
Indertaken by (organisation): ey Undertaken by (surveyor):	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	50 0	83.3% 0.0% 13.3% 0.0%	

Site Data	Number of Entry/Exits	3				
	Nearby Businesses	Vitex Motors				
Area Characteristics	Surrounding land use	Residential and Commerical				
	Nearby on-street parking regime	On-street parking available				
Traffic Generation	Link Trips	Peak %	NA NA	of peak responses of all responses	NA NA	
	Frontage Road Peak Period	Time	9:15:00 AM	10:15:00 AM		
		Total	402			
	Frontage Road Daily	Time	9:00 AM			
		Total	2852			
	Development Peak - Frontage Road Traffic	Time	10:45 AM			
		Total	374			
Other Vehicle Trip Rate Info	Peak 1-hour Vehicle-trips per Car Space	2.00	Trips per car space	note parking spaces estimated based on aerials		note parkir spaces estimated based or aerials
	Daily Vehicle-trips per Car Space	7.14	Trips per car space			
	Development Trips during Frontage Road Peaks	Peak		•		•

Site 05 - Results Summary Sheet

118/120 Balgownie Road, Balgownie Road

Notes: Summary of survey results and preliminary analysis for site, as per RMS template.



Survey for	Roads and Maritime Serivces NSW	T		Office Ref Only	<u> </u>
Survey for:	Roads and Maritime Serivces NSW			Office Ref Only	
Survey Period Date and Time	Sunday	16th June 2019	9:00:00 AM	5:00:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
A. Site Data	Activity Name	Hands on Car Wash			
	Land Use Description	Car Wash Café			
	Local Authority (Council)	Wollongong			
	Street Address and Suburb	118/120 Balgownie Road, Balgownie Roa	ad		
	Survey Site General Location	Suburbs			
	Highest Classification of Frontage Road	Collector	Balgownie Road		
	Frontage Road ADT	2480	Ţ.		
	Pedestrian Activity	Low			
	Public Transport Opportunities	Moderate			
	Approximate Café Seating Capacity	4 Outside			
B. Parking	Parking Spaces Provided On-Site	7			
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand	NA	max occupied spaces NA		
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA	Peak P	Parking Demand/ En	nployee
		NA NA		NA	<u> </u>
C. Trip Generation	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time	12:30:00 PM	1:30:00 PM
			In (vph)	4	Tota
				_	1
			Out (vph)	· ·	10
		Daily	Time	9:00:00 AM	5:00:00 PN
			Total In + Out (Vpd)		
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
		Daily Peak Period	3.3333	1.5267	2.9326
		Daily	10.6667	4.8855	1.2903
_					
D. General Comments and Notes	Site Characteristics/Notes	Daily Mode Split			
	Alternate survey method used. No parking surveys				
	or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split	Number	%	
		Total Private Vehicles	32	100.0%	
		Car (as driver) Car (as passenger)	0	0.0%	
		Taxi		0.007	
		Total Alt Trans (PT and Active)	0	0.0%	
		On Foot	0	0.0%	
		Bus	_	2.22	
		Cycle	0	0.0%	
rey Undertaken by (organisation):		TDC	Survey Contact	Fred Stone	
Survey Undertaken by (surveyor):		Fred Stone	fred@trafficdc.com.au		

Site Data	Number of Entry/Exits	3			
	Nearby Businesses	Vitex Motors			
	· · ·				
Area					
Characteristics	Surrounding land use	Residential and Commerical			
	Nearby on-street parking regime	On-street parking available			
Traffic Generation	Link Trips	Peak %	NA	of peak responses	NA
		Daily %	NA	of all responses	NA
	Frontage Road Peak Period	Time	12:15:00 PM	1:15:00 PM	
		Total	355		
	Frontage Road Daily	Time	9:00 AM	12:00 AM	
		Total	2480		
	Development Peak - Frontage Road Traffic	Time	12:30 PM	1:30 PM	
		Total	341		
				_	
Other Vehicle Trip				note parking spaces	
Rate Info	Peak 1-hour Vehicle-trips per Car Space	1.43	Trips per car space	estimated based on	
Trate into				aerials	
	Daily Vehicle-trips per Car Space	4.57	Trips per car space	1	

Development Trips during Frontage Road Peaks	Peak
	6

Site 06 - Results Summary Sheet 89-93 City Road, Merewether



Survey for:					
	Roads and Maritime Serivces NSW			Office Ref Only:	
•				·	
Survey Period Date and Time	Friday	14th June 2019	7:30:00 AM	5:00:00 PM	
Survey Period Date and Time	Filday	14th June 2019	7.30.00 AIVI	5.00.00 PIVI	
	Extended Data Collection? NO				
	Extended Data Concettors: NO	Includes Manual Survey?	No		
		•			
Α.					
Site Data	Activity Name	Stella Hand Car Wash & Table1			
	Land Use Description	Café Car Wash			
	Local Authority (Council)	Newcastle			
	Street Address and Suburb	89-93 City Road, Merewether			
	Survey Site General Location	Suburbs			
	Highest Classification of Frontage Road	Highway	City Road		
	Frontage Road ADT	•	•		
	-		1	l I	
	Pedestrian Activity	Low			
	Public Transport Opportunities	Moderate			
	Approximate Café Seating Capacity	60			
В.					
Parking	Parking Spaces Provided On-Site	23			
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand		m;	ax occupied spaces	
	r can't arning Domana			ax coodpica opacco	
	Peak Parking Demand During Survey	Darl Davidor Dava and / 400 and 0.54	D	la Dandaha ar Dana ara di i	01-#
		Peak Parking Demand/ 100m2 GFA	Pea	k Parking Demand/	Statt
	T	_	T	,	
C.					
	Site Surveyed Arrival / Departure Flow	AM Peak Period	Time		
Trip Generation				9:30:00 AM	10:30:00 AM
	1		In (vph)	29	Total
	1		(_	
			Out (vph)		
			,		
				28	57
		PM Peak Period	Time	11:30:00 AM	12:30:00 PM
	1				
			In (vph)	16	Total
				I In	Total
			0 (()		
			Out (vph)	18	34
	-	Daily		18	34
		Daily	Time	18 7:30:00 AM	34
		Daily		18 7:30:00 AM	34
	Peak trip Rate per 100m ² or other unit (state)	Daily	Time Total In + Out (Vpd)	18 7:30:00 AM 274	34 5:00:00 Pl
	Peak trip Rate per 100m ² or other unit (state)		Time Total In + Out (Vpd) Car Wash Bay	7:30:00 AM 274 100m2 Site Area	5:00:00 P Frontage (per 100 veh
		AM Peak Period	Time Total In + Out (Vpd) Car Wash Bay 14.2500	7:30:00 AM 274 100m2 Site Area 3.3828	34 5:00:00 P Frontage (per 100 veh 3.696
		AM Peak Period PM Peak Period	Time Total In + Out (Vpd) Car Wash Bay 14.2500 8.5000	18 7:30:00 AM 274 100m2 Site Area 3.3828 2.0178	5:00:00 P Frontage (per 100 veh 3.696 2.190
		AM Peak Period	Time Total In + Out (Vpd) Car Wash Bay 14.2500	7:30:00 AM 274 100m2 Site Area 3.3828	5:00:00 PI Frontage (per 100 veh 3.696
		AM Peak Period PM Peak Period	Time Total In + Out (Vpd) Car Wash Bay 14.2500 8.5000	18 7:30:00 AM 274 100m2 Site Area 3.3828 2.0178	5:00:00 PI Frontage (per 100 veh 3.696 2.190
D.		AM Peak Period PM Peak Period Daily	Time Total In + Out (Vpd) Car Wash Bay 14.2500 8.5000	18 7:30:00 AM 274 100m2 Site Area 3.3828 2.0178	5:00:00 Pl Frontage (per 100 veh 3.696 2.190
D. General Comments and Notes		AM Peak Period PM Peak Period	Time Total In + Out (Vpd) Car Wash Bay 14.2500 8.5000	18 7:30:00 AM 274 100m2 Site Area 3.3828 2.0178	5:00:00 P Frontage (per 100 veh 3.696 2.190
	Site Characteristics/Notes	AM Peak Period PM Peak Period Daily	Time Total In + Out (Vpd) Car Wash Bay 14.2500 8.5000	18 7:30:00 AM 274 100m2 Site Area 3.3828 2.0178	5:00:00 P Frontage (per 100 veh 3.696
	Site Characteristics/Notes Alternate survey method used. No parking	AM Peak Period PM Peak Period Daily	Time Total In + Out (Vpd) Car Wash Bay 14.2500 8.5000	18 7:30:00 AM 274 100m2 Site Area 3.3828 2.0178	5:00:00 P Frontage (per 100 veh 3.696
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	AM Peak Period PM Peak Period Daily Daily Mode Split	Time Total In + Out (Vpd) Car Wash Bay 14.2500 8.5000	18 7:30:00 AM 274 100m2 Site Area 3.3828 2.0178	5:00:00 P Frontage (per 100 veh 3.696 2.190
	Site Characteristics/Notes Alternate survey method used. No parking	AM Peak Period PM Peak Period Daily Daily Mode Split	Time Total In + Out (Vpd) Car Wash Bay 14.2500 8.5000	18 7:30:00 AM 274 100m2 Site Area 3.3828 2.0178	5:00:00 P Frontage (per 100 veh 3.696 2.190
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split	Time Total In + Out (Vpd) Car Wash Bay 14.2500 8.5000 68.5000 Number	18 7:30:00 AM 274 100m2 Site Area 3.3828 2.0178 16.2611	5:00:00 P Frontage (per 100 veh 3.696 2.190
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles	Time Total In + Out (Vpd) Car Wash Bay 14.2500 8.5000 68.5000 Number 274	18 7:30:00 AM 274 100m2 Site Area 3.3828 2.0178 16.2611	5:00:00 P Frontage (per 100 veh 3.696 2.190
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split	Time Total In + Out (Vpd) Car Wash Bay 14.2500 8.5000 68.5000 Number	18 7:30:00 AM 274 100m2 Site Area 3.3828 2.0178 16.2611	5:00:00 P Frontage (per 100 veh 3.696 2.190
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver)	Time Total In + Out (Vpd) Car Wash Bay 14.2500 8.5000 68.5000 Number 274	18 7:30:00 AM 274 100m2 Site Area 3.3828 2.0178 16.2611 % 92.6% 92.6%	5:00:00 P Frontage (per 100 veh
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger)	Time Total In + Out (Vpd) Car Wash Bay 14.2500 8.5000 68.5000 Number 274	18 7:30:00 AM 274 100m2 Site Area 3.3828 2.0178 16.2611 % 92.6% 92.6%	5:00:00 P Frontage (per 100 veh
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi	Time Total In + Out (Vpd) Car Wash Bay 14.2500 8.5000 68.5000 Number 274 274	18 7:30:00 AM 274 100m2 Site Area 3.3828 2.0178 16.2611 % 92.6% 92.6%	5:00:00 P Frontage (per 100 veh
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger)	Time Total In + Out (Vpd) Car Wash Bay 14.2500 8.5000 68.5000 Number 274	18 7:30:00 AM 274 100m2 Site Area 3.3828 2.0178 16.2611 % 92.6% 92.6%	5:00:00 P Frontage (per 100 veh
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	Time Total In + Out (Vpd) Car Wash Bay 14.2500 8.5000 68.5000 Number 274 274	18 7:30:00 AM 274 100m2 Site Area 3.3828 2.0178 16.2611 % 92.6% 92.6% 7.4%	5:00:00 P Frontage (per 100 veh
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	Time Total In + Out (Vpd) Car Wash Bay 14.2500 8.5000 68.5000 Number 274 274	7:30:00 AM 274 100m2 Site Area 3.3828 2.0178 16.2611 % 92.6% 92.6% 7.4% 7.4%	5:00:00 P Frontage (per 100 veh 3.696 2.190 1.4957 Not surveyed Not surveyed
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	Time Total In + Out (Vpd) Car Wash Bay 14.2500 8.5000 68.5000 Number 274 274 222 22	7:30:00 AM 274 100m2 Site Area 3.3828 2.0178 16.2611 % 92.6% 92.6% 7.4% 7.4%	5:00:00 P Frontage (per 100 veh 3.696 2.190 1.4957
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle	Time Total In + Out (Vpd) Car Wash Bay 14.2500 8.5000 68.5000 Number 274 274	18 7:30:00 AM 274 100m2 Site Area 3.3828 2.0178 16.2611 % 92.6% 92.6% 7.4% 7.4% 0.0%	5:00:00 Pl Frontage (per 100 veh 3.696 2.190 1.4957 Not surveyed Not surveyed
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	Time Total In + Out (Vpd) Car Wash Bay 14.2500 8.5000 68.5000 Number 274 274 222 22	7:30:00 AM 274 100m2 Site Area 3.3828 2.0178 16.2611 % 92.6% 92.6% 7.4% 7.4%	5:00:00 Pf Frontage (per 100 veh 3.696 2.190 1.4957 Not surveyed Not surveyed

Site Data	Number of Entry/Exits	1		
	Nearby Businesses	NA		
Area				
Characteristics	Surrounding land use	Residential		
	Nearby on-street parking regime	No on-street car parking available)	
	Principal Adjacent road - Peak Period	AM		
	(Weekday)	Alvi	07:45 AM - 08:45 AM	
		PM	03:30 PM - 04:30 PM	
			<u> </u>	
Traffic	Frontage Road AM Peak Period	Time	7.45.00 004	0.45.00 AM
Generation		Total	7:45:00 AM 2597	8:45:00 AM
	Frontage Road PM Peak Period	Time	3:30:00 PM	4:30:00 PM
	Tromage Nead First Cak's Ched	Total	2454	1.00.00 1 101
	Frontage Road Daily	Time	7:30:00 AM	12:00:00 AM
		Total	18319	
	Peak 1-hour Vehicle-trips per Car			
Vehicle Trips	Space (note parking spaces estimated			
	based on aerials)	AM Peak		
			trips per car space	
		PM Peak		
			trips per car space	
		Daily	trips per car space	
	Development Trips during Frontage	11.91	liips pei cai space	
	Road Peaks	AM Peak	7:45:00 AM	8:45:00 AM
	rtoad r oanto	37	7.10.007	0. 10.00 / 1111
		PM Peak	3:15:00 PM	4:30:00 PM
		5		
	T	T		
Odb \	ANA Darak 4 harra Vakiaka (sina man Oam			note parking
Other Vehicle	AM Peak 1-hour Vehicle-trips per Car	2.48	Trips per car space	spaces estimated
Trip Rate Info	Space			based on aerials
		-		
	PM Peak 1-hour Vehicle-trips per Car			
	Space	1.48	Trips per car space	
	opace .	1		
	Doily/Abigle tring non-Con-Con-		Tring nor cor cree	
	Daily Vehicle-trips per Car Space	11.91	Trips per car space	

Site 06 - Results Summary Sheet 89-93 City Road, Merewether

Notes: Summary of survey results and preliminary analysis for site, as per RMS template.



Survey for:	Roads and Maritime Serivces NSW			Office Ref Only	
Survey Period Date and Time	Saturday	15th June 2019	7:30:00 AM	3:30:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
A. Site Data	,	Stella Hand Car Wash & Table1			
	Land Use Description	Café Car Wash			
	Local Authority (Council) Street Address and Suburb	Newcastle 89-93 City Road, Merewether	Ι	T	
	Survey Site General Location	Suburbs			
		Highway	City Road		
	Frontage Road ADT				
	,	Low			
	, ,,	Moderate			
	Approximate Café Seating Capacity	60			
B. Parking	Parking Space Provided On Site	22			
i aikiiig	Parking Spaces Provided On-Site Other Parking Spaces (On-Street/Off-Site)	23			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand	NA	max	occupied spaces	NA
	Peak Parking Demand During Survey				
	reak raiking bemand buning Survey	Peak Parking Demand/ 100m2 GFA NA	Peak Pa	arking Demand/ E NA	mployee
C. Trip Generation	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time	8:45:00 AM	9:45:00 AM
			In (vph)	41	Total
			Out (vph)		
		Daily	Time	27 7:30:00 AM	68 3:30:00 PM
		- ,	Total In + Out (Vpd)		
				335	
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
		Daily Peak Period	17.0000	4.0356	4.0719
		Daily	83.7500	19.8813	2.3660
D.					
General Comments and Notes					
NOTES	Site Characteristics/Notes	Daily Mode Split			
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras				
	one, an our vey derive dering carrieres	Modal Split	Number	%	
		Total Private Vehicles	335	92.3%	
		Car (as driver) Car (as passenger)	0	0.0%	
		Tovi			
		Taxi Total Alt Trans (PT and Active)	28	7.7%	
		Total Alt Trans (PT and Active) On Foot	28	0.0%	
				3.070	
		Dus			
		Bus Cycle	0	0.0%	
Undertaken by (organisation): rey Undertaken by (surveyor):				0.0% Fred Stone	

0't- D-t-	Number of Entry/Exite	1		 	
Site Data	Number of Entry/Exits	1			
	Nearby Businesses	NA			
Area					
Characteristics	Surrounding land use	Residential			
	Nearby on-street parking regime	No on-street car parking available			
	, , ,				
Traffic Generation	Link Trips	Peak %	NA	of peak responses	NA
	,	Daily %	NA	of all responses	NA
	Frontage Road Peak Period	Time	12:00:00 PM	1:00:00 PM	
	-	Total	2201		
	Frontage Road Daily	Time	7:30 AM	12:00 AM	
		Total	14159		
	Development Peak - Frontage Road Traffic	Time	8:45 AM	9:45 AM	
		Total	1670		
				T	
Other Vehicle Trip Rate Info	Peak 1-hour Vehicle-trips per Car Space	2.96	Trips per car space	note parking spaces estimated based on aerials	
	Daily Vehicle-trips per Car Space	14.57	Trips per car space		

Development Trips during Frontage Road Peaks
Peak

Site 06 - Results Summary Sheet 89-93 City Road, Merewether

Notes: Summary of survey results and preliminary analysis for site, as per RMS template.



Survey for:	Roads and Maritime Serivces NSW			Office Ref Only	
Survey for:	Todas and Mantime Services NOV			Office Ref Offig	
Survey Period Date and Time	Sunday	16th June 2019	7:30:00 AM	3:30:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
A. Site Data	Activity Name	Stella Hand Car Wash & Table1			
	Land Use Description	Café Car Wash			
	Local Authority (Council)	Newcastle			
	Street Address and Suburb	89-93 City Road, Merewether			
	Survey Site General Location	Suburbs			
	Highest Classification of Frontage Road	Highway	City Road		
	Frontage Road ADT	30669			
	Pedestrian Activity	Low			
	Public Transport Opportunities	Moderate			
		60			
	,,				
B. Parking	Parking Spaces Provided On-Site	23			
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand	NA	ma	ax occupied spaces	NA
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA	Peak F	Parking Demand/ En	nployee
		NA		NA	•
C. Trip Generation	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time	10:00:00 AM	11:00:00 AM
			In (vph)	46	Total
			Out (vph)	20	0.5
		2 "		00	85
		Daily	Time	7:30:00 AM	3:30:00 PM
			Total In + Out (Vpd)	330	
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
		Daily Peak Period	21.2500	5.0445	6.0801
		Daily	82.5000	19.5846	3.1719
D. General Comments and Notes	Site Characteristics/Notes	Daily Mode Split			
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-				
	site, all survey done using cameras	Modal Split	Number	%	
		Total Private Vehicles	330	89.7%	
		Car (as driver)	0	0.0%	
		Car (as passenger)			
		Taxi			
		Total Alt Trans (PT and Active)	38	10.3%	
		On Foot	38	0.0%	
		Bus	30	0.070	
		Cycle	0	0.0%	
L		TDC		Fred Stone	
Survey Undertaken by (surveyor):		Fred Stone	Survey Contact fred@trafficdc.com.au	i rea otorie	
our vey office (and office):	<u> </u>	I Ted Olone	med witamede.com.au		

Site Data	Number of Entry/Exits	1			
	Nearby Businesses	NA			
		•			
Area					
Characteristics	Surrounding land use	Residential			
	Nearby on-street parking regime	No on-street car parking available	e		
Traffic Generation	Link Trips	Peak %	NA	of peak responses	NA
		Daily %	NA	of all responses	NA
	Frontage Road Peak Period	Time	12:15:00 PM	1:15:00 PM	
		Total	1678		
	Frontage Road Daily	Time	7:30 AM	12:00 AM	
		Total	10404		
	Development Peak - Frontage Road Traffic	Time	10:00 AM	11:00 AM	
		Total	1398		
Other Vehicle Trip				note parking spaces	
Rate Info	Peak 1-hour Vehicle-trips per Car Space	3.70	Trips per car space	estimated based on	
Nate IIII0				aerials	
	Daily Vehicle-trips per Car Space	14.35			

Development Trips during Frontage Road
Peaks
Peak

Peak

50

Site 07 - Results Summary Sheet 169-171 Pennant Hills Road, Thornleigh



				traffic engineering transport plan	ining
Survey for:	Roads and Maritime Serivces NSW			Office Ref Only:	
Survey Period Date and Time	Friday	14th June 2019	8:00:00 AM	5:30:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
A.					
Site Data	Activity Name	Blanc Noire Hand Wash Café			
	Land Use Description	Café Car Wash			
	Local Authority (Council)	Hornsby	1	Π	
	Street Address and Suburb	169-171 Pennant Hills Road, Thornleigh			
	Survey Site General Location	Inner			
	Highest Classification of Frontage Road	Highway	#REF!		
	Frontage Road ADT	38068			
	Pedestrian Activity	Low			
	Public Transport Opportunities	Low			
	Approximate Café Seating Capacity	16			
B. Parking	Parking Spaces Provided On-Site	5			
i ainiig	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand		ma	ax occupied spaces	
	Peak Parking Demand During Survey				
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA	Pea	k Parking Demand/	Staff
C. Trip Generation	Site Surveyed Arrival / Departure Flow	AM Peak Period	Time		
The Concration				9:00:00 AM	10:00:00 AM
			In (vph)	6	Total
			Out (vph)		
				6	12
		PM Peak Period	Time	11:45:00 AM	12:45:00 PM
		TWT can t choa			12.10.001 111
			In (vph)	3	Total
			Out (vph)	5	8
		Doily			
		Daily	Time	8:00:00 AM	5:30:00 P
			Total In + Out (Vpd)	55	
	Peak trip Rate per 100m ² or other unit (state)		Car Wash Bay		Frontage (per 100 veh
	-	AM Peak Period	3.0000		
	-	PM Peak Period	2.0000		
		Daily	13.7500	6.7485	0.3005
D.					
General Comments and Notes	Site Characteristics/Notes	Daily Mode Split			
	Alternate survey method used. No parking				
	surveys or customer questionaires. No survey				
	personell on-site, all survey done using cameras	Modal Split	Number	%	
		Total Private Vehicles	55	93.2%	
		Car (as driver)	55	93.2%	
			33		Not curveyed
		Car (as passenger)			Not surveyed
		Taxi			Not surveyed
		IT - (- A (T / DT A - (!)	4	6.8%	
		Total Alt Trans (PT and Active)			
		On Foot	4	6.8%	
					Not surveyed
		On Foot Bus Cycle	0	0.0%	Not surveyed
rvey Undertaken by (organisation): Survey Undertaken by (surveyor):		On Foot Bus	4		Not surveyed

Site Data	Number of Entry/Exits	2		
2112 - 21101	Nearby Businesses	NA		
	,			
Area				
Characteristics	Surrounding land use	Residential		
	Nearby on-street parking regime	No on-street parking availble		
	Principal Adjacent road - Peak Period (Weekday)	AM	40:45 004 44:45 004	
	(Weekday)	D14	10:45 AM - 11:45 AM	
		PM	02:30 PM - 03:30 PM	
Traffic				
Generation	Frontage Road AM Peak Period	Time	10:45:00 AM	11:45:00 AM
Contraction		Total	3749	
	Frontage Road PM Peak Period	Time	2:30:00 PM	3:30:00 PM
	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Total	4598	
	Frontage Road Daily	Time	8:00:00 AM	12:00:00 Al
		Total	38068	
	Peak 1-hour Vehicle-trips per Car			
Vehicle Trips	Space (note parking spaces estimated			
vormoio impo	based on aerials)	AM Peak		
		AWITEAN		
		0.40	(-!	
			trips per car space	
		PM Peak	(-!	
			trips per car space	
		Daily	4 min a m a m a a m a a a a a a a	
	D	11.00	trips per car space	
	Development Trips during Frontage Road Peaks	AM Peak	10:45:00 AM	11:45:00 Al
		11		
		PM Peak	3:15:00 PM	3:30:00 PI
		_		
		5		
Other Vehicle	AM Peak 1-hour Vehicle-trips per Car			note parking
Trip Rate Info	Space	2.40	Trips per car space	spaces estimated
. TIP TAIL IIII	Ορασσ			based on aerials
		1		
	PM Peak 1-hour Vehicle-trips per Car			
	Space	1.60	Trips per car space	
	Opace	1		
	Daily Vehicle-trips per Car Space	11.00	Trips per car space	

Site 07 - Results Summary Sheet 169-171 Pennant Hills Road, Thornleigh

Notes: Summary of survey results and preliminary analysis for site, as per RMS template.



Survey for:	Roads and Maritime Serivces NSW			Office Ref Only	
Survey Period Date and Time	Saturday	15th June 2019	8:00:00 AM	5:30:00 PM	
Time					
	Extended Data Collection? NO	Includes Manual Survey?	No		
Α.					
Site Data	Activity Name	Blanc Noire Hand Wash Café			
	Land Use Description	Café Car Wash			
	Local Authority (Council) Street Address and Suburb	Hornsby 169-171 Pennant Hills Road, Thornleigh			
	Survey Site General Location	Inner			
	Highest Classification of Frontage Road	Highway	Pennant Hills Road	•	
	Frontage Road ADT			T	
	Pedestrian Activity Public Transport Opportunities	Low			
	Approximate Café Seating Capacity	Low 16			
B. Parking	Parking Spaces Provided On Site				
i ainiig	Parking Spaces Provided On-Site Other Parking Spaces (On-Street/Off-Site)	5			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand	NA	max	occupied spaces	NA
	Peak Parking Demand During Survey				
	Tour army Domaina Daiming Carroy	Peak Parking Demand/ 100m2 GFA NA	Peak Pa	arking Demand/ E	mployee
C. Trip Generation	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time	11:45:00 AM	12:45:00 PM
-			In (vph)		12.45.00 PM
			Out (vph)		
		Daily	Time	5 8:00:00 AM	5:30:00 F
		Daily			0.30.001
	T: D: D: 100 0 11 11 11 11		Total In + Out (Vpd)	62	
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 ve
		Daily Peak Period	3.5000 15.5000	1.7178	0.1641
		Daily	15.5000	7.6074	0.0844
D.					
General Comments and Notes	Site Characteristics/Notes	Daily Mode Split			
		Daily Would Opill			
	Alternate survey method used. No parking surveys or customer questionaires. No survey				
	personell on-site, all survey done using cameras	Modal Split	Number	%	
		Total Private Vehicles	62	98.4%	
		Car (as driver)	0	0.0%	
		Car (as passenger)			
		-			
		Taxi Total Alt Trans (PT and Active)	1	0.0%	
		On Foot	0	0.0%	
				i	
		Bus			
Undantelia I. Z		Cycle	1	1.6%	
Undertaken by (organisation): ey Undertaken by (surveyor):			1 Survey Contact fred@trafficdc.com.au	1.6% Fred Stone	

Site Data	Number of Entry/Exits	2			
	Nearby Businesses	NA			
			•		
Area					
Characteristics	Surrounding land use	Residential			
	Nearby on-street parking regime	No on-street parking availble			
Traffic Generation	Link Trips	Peak %	NA	of peak responses	NA
		Daily %	NA	of all responses	NΑ
	Frontage Road Peak Period	Time	12:00:00 PM	1:00:00 PM	
		Total	4704		
	Frontage Road Daily	Time			
		Total	40797		
	Development Peak - Frontage Road Traffic	Time			
		Total	4642		
Other Vehicle Trip Rate Info	Peak 1-hour Vehicle-trips per Car Space	2.80	Trips per car space	note parking spaces estimated based on aerials	
	Daily Vehicle-trips per Car Space	12.40	Trips per car space		

Development Trips during Frontage Road Peaks
Peak

Site 07 - Results Summary Sheet 169-171 Pennant Hills Road, Thornleigh



Survey for:	Roads and Maritime Serivces NSW		T	Office Ref Only	T
Survey for:	Roads and Manuffle Services NSW			Office Ref Only	
Survey Period Date and Time	0	0	8:00:00 AM	5:30:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
Α.					
Site Data	Activity Name	Blanc Noire Hand Wash Café			
	Land Use Description	Café Car Wash			
	Local Authority (Council)	Hornsby			
	Street Address and Suburb	169-171 Pennant Hills Road, Thornleigh			
	Survey Site General Location				
		Inner	Decree at Hills Dead (Overhander d. Hurst)		
	Highest Classification of Frontage Road	Highway	Pennant Hills Road (Cumberland H'way)		
	Frontage Road ADT			T	T
	Pedestrian Activity	Low			
	Public Transport Opportunities	Low			
	Approximate Café Seating Capacity	16			
B. Parking	Parking Spaces Provided On-Site	5			
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand	NA	ma	ax occupied spaces	NA
				•	
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA	Peak P	Parking Demand/ En	nplovee
		NA	1 Gaix I	NA	ipioyee
		INA		INA	
C.	Site Surveyed Arrival / Departure Flow	Daily Book Boried	Timo		
Trip Generation	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time		40.00.00 DM
•				11:00:00 AM	12:00:00 PM
			In (vph)	6	Tota
			Out (vph)	7	1:
		Daily	Time	8:00:00 AM	5:30:00 PM
		Daily			3.30.00 FT
			Total In + Out (Vpd)	81	
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
	, , ,		·		,
		Daily Peak Period	3.2500	1.5951	0.5485
		Daily	20.2500	9.9387	0.3896
		-			
D					
General Comments and Notes		Daily Mada Split			
	Site Characteristics/Notes	Daily Mode Split			
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-				
	site, all survey done using cameras	Modal Split	Number	%	
		Total Private Vehicles	81	97.6%	
		Car (as driver)	0	0.0%	
		Car (as passenger)	Ť Š	0.070	
		Taxi			
		Total Alt Trans (PT and Active)	2	2.4%	
		On Foot	0	0.0%	
		Bus			
		Cycle	0	0.0%	
vey Undertaken by (organisation):		TDC	Survey Contact	Fred Stone	
Survey Undertaken by (surveyor):		Fred Stone	fred@trafficdc.com.au		
, , , , , , , , , , , , , , , , , , , ,		I .		ī	1

Site Data	Number of Entry/Exits	2			
	Nearby Businesses	NA			
		•			
Area					
Characteristics	Surrounding land use	Residential			
	Nearby on-street parking regime	No on-street parking availble			
Traffic Generation	Link Trips	Peak %	NA	of peak responses	NA
		Daily %	NA	of all responses	NA
	Frontage Road Peak Period	Time	3:45:00 PM	4:45:00 PM	
		Total	5092		
	Frontage Road Daily	Time	8:00 AM	12:00 AM	
		Total	41692		
	Development Peak - Frontage Road Traffic	Time	11:00 AM	12:00 PM	
		Total	4778		
			_		
Other Vehicle Trip				note parking spaces	
Rate Info	Peak 1-hour Vehicle-trips per Car Space	2.60	Trips per car space	estimated based on	
Trate into		_		aerials	
	Daily Vehicle-trips per Car Space	16.20	Trips per car space		
		1	1		
	Development Trips during Frontage Road	Pook			
	Daalsa				

Site 08 - Results Summary Sheet 212 Parramatta Road, Auburn



					nning
Survey for:	Roads and Maritime Serivces NSW			Office Ref Only:	
Common Barda I Bar		4411 1 2010	0.00.00 414	F-00-00 Pt	
Survey Period Date and Time	Friday	14th June 2019	8:00:00 AM	5:30:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
		Includes Manual Survey?	INO		
	Т				
Α.		Xibit Car Wash Café			
Site Data	Activity Name	Albit Gai Wash Gais			
	Land Use Description	Café Car Wash			
	Local Authority (Council)	Cumberland			
	Street Address and Suburb	212 Parramatta Road, Auburn			
	Survey Site General Location	Inner			
		Major Arterial	Parramatta Road		
	Frontage Road ADT)		
		Low			
	· · · · · · · · · · · · · · · · · · ·	Moderate			
	Approximate Café Seating Capacity	20)		
	r the comment of the contract				
_		T	T	T	1
В.					
Parking	Parking Spaces Provided On-Site	4			
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand		ma	ax occupied spaces	
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA	Pea	k Parking Demand/	Staff
		l com com g com and com		l	
			<u> </u>		
C.	Site Surveyed Arrivel / Departure Flow	AM Peak Period	Time		
Trip Generation	Site Surveyed Arrival / Departure Flow	AW Feak Feriod	Time	10:30:00 AM	11:30:00 AM
			to too to		
			In (vph)	5	Total
			Out (vph)		
			Sur (vpm)		
				6	11
		PM Peak Period	Time		0.00.00.004
			111110	2:30:00 PM	3:30:00 PM
				2:30:00 PM	3:30:00 PM
			In (vph)		
			In (vph)	6	Total
				6	
		Daily	In (vph)	6 8	Total 14
			In (vph) Out (vph) Time	6 8 8:00:00 AM	Total 14
			In (vph) Out (vph) Time Total In + Out (Vpd)	6 8 8:00:00 AM 83	Total 14 5:30:00 PN
	Peak trip Rate per 100m² or other unit (state)	Daily	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay	6 8 8:00:00 AM 83 100m2 Site Area	Total 14 5:30:00 PN Frontage (per 100 veh)
		Daily AM Peak Period	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500	6 8 8:00:00 AM 83 100m2 Site Area 1.1000	Total 14 5:30:00 PN Frontage (per 100 veh) 0.9244
		Daily AM Peak Period PM Peak Period	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500 3.5000	6 8 8:00:00 AM 83 100m2 Site Area 1.1000 1.4000	Total 14 5:30:00 PN Frontage (per 100 veh) 0.9244 1.3793
		Daily AM Peak Period	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500	6 8 8:00:00 AM 83 100m2 Site Area 1.1000 1.4000	Total 14 5:30:00 PM Frontage (per 100 veh) 0.9244 1.3793
		Daily AM Peak Period PM Peak Period	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500 3.5000	6 8 8:00:00 AM 83 100m2 Site Area 1.1000 1.4000	Total 14 5:30:00 PN Frontage (per 100 veh) 0.9244 1.3793
		Daily AM Peak Period PM Peak Period	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500 3.5000	6 8 8:00:00 AM 83 100m2 Site Area 1.1000 1.4000	Total 14 5:30:00 PN Frontage (per 100 veh) 0.9244 1.3793
D.		Daily AM Peak Period PM Peak Period	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500 3.5000	6 8 8:00:00 AM 83 100m2 Site Area 1.1000 1.4000	Total 14 5:30:00 PN Frontage (per 100 veh) 0.924 1.379
		Daily AM Peak Period PM Peak Period Daily	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500 3.5000	6 8 8:00:00 AM 83 100m2 Site Area 1.1000 1.4000	Total 14 5:30:00 PN Frontage (per 100 veh) 0.924 1.379
		Daily AM Peak Period PM Peak Period	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500 3.5000	6 8 8:00:00 AM 83 100m2 Site Area 1.1000 1.4000	Total 14 5:30:00 PN Frontage (per 100 veh) 0.9244 1.3793
		Daily AM Peak Period PM Peak Period Daily	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500 3.5000	6 8 8:00:00 AM 83 100m2 Site Area 1.1000 1.4000	Total 14 5:30:00 PN Frontage (per 100 veh) 0.9244 1.3793
	Site Characteristics/Notes Alternate survey method used. No parking	Daily AM Peak Period PM Peak Period Daily	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500 3.5000	6 8 8:00:00 AM 83 100m2 Site Area 1.1000 1.4000	Total 14 5:30:00 PN Frontage (per 100 veh) 0.924 1.379
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily AM Peak Period PM Peak Period Daily Daily Daily Mode Split	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500 3.5000 20.7500	6 8 8:00:00 AM 83 100m2 Site Area 1.1000 1.4000 8.3000	Total 14 5:30:00 PN Frontage (per 100 veh) 0.924 1.379
	Site Characteristics/Notes Alternate survey method used. No parking	Daily AM Peak Period PM Peak Period Daily Daily Daily Mode Split	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500 3.5000	6 8 8:00:00 AM 83 100m2 Site Area 1.1000 1.4000	Total 14 5:30:00 PN Frontage (per 100 veh) 0.924 1.379
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily AM Peak Period PM Peak Period Daily Daily Daily Mode Split	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500 3.5000 20.7500	6 8 8:00:00 AM 83 100m2 Site Area 1.1000 1.4000 8.3000	Total 14 5:30:00 PN Frontage (per 100 veh) 0.924 1.379
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500 3.5000 20.7500 Number 83	6 8 8:00:00 AM 83 100m2 Site Area 1.1000 1.4000 8.3000	Total 14 5:30:00 PN Frontage (per 100 veh) 0.924 1.379
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver)	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500 3.5000 20.7500	6 8 8:00:00 AM 83 100m2 Site Area 1.1000 1.4000 8.3000	Total 14 5:30:00 PN Frontage (per 100 veh) 0.924 1.3793 0.7417
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500 3.5000 20.7500 Number 83	6 8 8:00:00 AM 83 100m2 Site Area 1.1000 1.4000 8.3000	Total 14 5:30:00 PN Frontage (per 100 veh) 0.924 1.379
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver)	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500 3.5000 20.7500 Number 83	6 8 8:00:00 AM 83 100m2 Site Area 1.1000 1.4000 8.3000	Total 14 5:30:00 PM Frontage (per 100 veh) 0.924 1.379 0.7417
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500 3.5000 20.7500 Number 83 83	6 8 8:00:00 AM 83 100m2 Site Area 1.1000 1.4000 8.3000	Total 14 5:30:00 PM Frontage (per 100 veh) 0.924 1.379: 0.7417
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500 3.5000 20.7500 Number 83 83 83	6 8 8:00:00 AM 83 100m2 Site Area 1.1000 1.4000 8.3000 % 69.7% 69.7%	Total 14 5:30:00 PN Frontage (per 100 veh) 0.924 1.379 0.7417 Not surveyed
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Daily AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500 3.5000 20.7500 Number 83 83	6 8 8:00:00 AM 83 100m2 Site Area 1.1000 1.4000 8.3000 % 69.7% 69.7% 69.7%	Total 14 5:30:00 PN Frontage (per 100 veh) 0.924 1.379 0.7417 Not surveyed Not surveyed
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500 3.5000 20.7500 Number 83 83 83	6 8 8:00:00 AM 83 100m2 Site Area 1.1000 1.4000 8.3000 % 69.7% 69.7% 69.7%	Total 14 5:30:00 PN Frontage (per 100 veh) 0.924 1.379: 0.7417
D. General Comments and Notes	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500 3.5000 20.7500 Number 83 83 83	6 8 8:00:00 AM 83 100m2 Site Area 1.1000 1.4000 8.3000 % 69.7% 69.7% 69.7%	Total 14 5:30:00 PM Frontage (per 100 veh) 0.924 1.3793 0.7417 Not surveyed Not surveyed
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Daily AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.7500 3.5000 20.7500 Number 83 83 83 36 36 36	6 8 8:00:00 AM 83 100m2 Site Area 1.1000 1.4000 8.3000 % 69.7% 69.7%	Total 14 5:30:00 PM Frontage (per 100 veh) 0.9244 1.3793 0.7417 Not surveyed Not surveyed

Site Data	Number of Entry/Exits	1		
	Nearby Businesses	Mechanic		
Area				
Characteristics	Surrounding land use	Commerical / Residential		
	Nearby on-street parking regime	On-street parking available on Bra	aemar Avenue	
	Principal Adjacent road - Peak Period			
	(Weekday)	AM	11:00 AM - 12:00 PM	
	, , , , , , , , , , , , , , , , , , , ,	PM	01:30 PM - 02:30 PM	
		1 141	01.001 W 02.001 W	
Traffic	5 / 5 /445 / 5 / /			
Generation	Frontage Road AM Peak Period	Time	11:00:00 AM	12:00:00 PM
		Total	2498	
	Frontage Road PM Peak Period	Time	1:30:00 PM	2:30:00 PM
		Total	2558	
	Frontage Road Daily	Time	8:00:00 AM	5:30:00 F
		Total	22935	
	Peak 1-hour Vehicle-trips per Car			
Vehicle Trips	Space (note parking spaces estimated			
	based on aerials)	AM Peak		
		2.75	trips per car space	
		PM Peak		
			trips per car space	
		Daily	, ,	
			trips per car space	
	Development Trips during Frontage		,	
	Road Peaks	AM Peak	11:00:00 AM	12:00:00 F
		8		
		PM Peak	1:30:00 PM	2:30:00 F
		10		
				noto nortina
Other Vehicle	AM Peak 1-hour Vehicle-trips per Car	2.75	Tripo por cor coco	note parking
Trip Rate Info	Space	2.75	Trips per car space	spaces estimate based on aerials
				nased on aerials
	PM Peak 1-hour Vehicle-trips per Car	2.50	Tring non-con-co-	
	Space	3.50	Trips per car space	
	Daily Vehicle-trips per Car Space		Trips per car space	
	Daily vehicle-trips per Car Space	20.75	Triba hei gai shage	
		i		

Site 08 - Results Summary Sheet 212 Parramatta Road, Auburn



Survey for:	Roads and Maritime Serivces NSW			Office Ref Only	
Survey Period Date and Time	Saturday	15th June 2019	8:00:00 AM	5:00:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
A. Site Data	Activity Name	Xibit Car Wash Café	1	l	
	Land Use Description	Café Car Wash			
	Local Authority (Council)	Cumberland		1	
	Street Address and Suburb	212 Parramatta Road, Auburn			
	Survey Site General Location	Inner	Danna aratta Danad		
	Highest Classification of Frontage Road Frontage Road ADT	Major Arterial 22863	Parramatta Road		
	Pedestrian Activity	Low		1	
	Public Transport Opportunities	Moderate			
	Approximate Café Seating Capacity	20			
B. Parking	Parking Spaces Provided On-Site	4			
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Death Berthier Demonstra	N.A.			NI A
	Peak Parking Demand	NA	<u> </u>	x occupied spaces	NA
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA NA	Peak Pa	arking Demand/ Er NA	mployee
C. Trip Generation	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time	3:45:00 PM	4:45:00 PM
			In (vph)	9	Total
			Out (vph)	11	20
		Daily	Time	8:00:00 AM	5:00:00 PM
					0.00.00 1
			Total In + Out (Vpd)	87	
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
	The react of rooms of other and (state)		Cai Traen Zay	7.001112 0110 7 11 041	Trainage (per recitor)
		Daily Peak Period	5.0000	2.0000	1.4514
		Daily	21.7500	8.7000	0.7580
D. General Comments and					
Notes	Site Characteristics/Notes	Daily Mode Split			
	Alternate survey method used. No parking				
	surveys or customer questionaires. No survey				
	personell on-site, all survey done using cameras	Modal Split	Mumbar	0/	
		Total Private Vehicles	Number 87	% 79.1%	
		Car (as driver)	0	0.0%	
		Car (as passenger)	<u> </u>	3.070	
		our (de passoniger)			
		Тахі			
		Total Alt Trans (PT and Active)	23	20.9%	
		On Foot	23	0.0%	
		Bus			
Hadada I. J. Z. J. S. S.		Cycle	0	0.0%	
Undertaken by (organisation):		TDC	Survey Contact	Fred Stone	
vey Undertaken by (surveyor):	L	Fred Stone	fred@trafficdc.com.au		

Site Data	Number of Entry/Exits	1			
	Nearby Businesses	Mechanic			
	•				
Area					
Characteristics	Surrounding land use	Commerical / Residential			
	Nearby on-street parking regime	On-street parking available on Bra	aemar Avenue		
Traffic Generation	Link Trips	Peak %	NA	of peak responses	NA
		Daily %	NA	of all responses	NA
	Frontage Road Peak Period	Time	11:00:00 AM	12:00:00 PM	
		Total	2874		
	Frontage Road Daily	Time	8:00 AM		
		Total	22863		
	Development Peak - Frontage Road Traffic	Time	3:45 PM		
		Total	2540		
Other Vehicle Trip	Peak 1-hour Vehicle-trips per Car Space	5.00	Trips per car space	note parking spaces estimated	
Rate Info	T can T flour Verlicle trips per car opace	3.00	Trips per car space	based on aerials	
	Deile Vehicle teinen au One One	04.75	T-1:	_	
	Daily Vehicle-trips per Car Space	21.75	Trips per car space		
		1	1	•	
	Development Trips during Frontage Road Peaks	Peak			
		- Gaix			
			I		

Site 08 - Results Summary Sheet 212 Parramatta Road, Auburn

Notes: Summary of survey results and preliminary analysis for site, as per RMS template.



Survey for:	Roads and Maritime Serivces NSW			Office Ref Only	
Survey Period Date and Time	Sunday	28th July 2019	8:00:00 AM	5:00:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
Α.					
Site Data	Activity Name	Xibit Car Wash Café			
		Café Car Wash			
		Cumberland			
		212 Parramatta Road, Auburn			
		Inner			
		Major Arterial	Parramatta Road		
	Frontage Road ADT		T diramatta resda		
	Pedestrian Activity	Low			
		Moderate			
		20			
	- The state of the				
В.					
Parking	Parking Spaces Provided On-Site	4			
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand	NA	m	ax occupied spaces	NΔ
		1971	1110	ax occupied spaces	147.
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA	Peak P	arking Demand/ En	nployee
		NA NA	<u> </u>	NA	
C.		D " D / D : /			
Trip Generation	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time	12:30:00 PM	1:30:00 PM
			In (vph)	5	Tota
			Out (vph)	14	1
		Daily	Time	8:00:00 AM	5:00:00 P
		Buny			0.00.001
			Total In + Out (Vpd)		
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh
		Daily Peak Period	4.7500	1.9000	1.4937
		Daily	27.0000	10.8000	0.9487
D.					
General Comments and Notes	Site Characteristics/Notes	Daily Mode Split			
	Site Characteristics/Notes	Daily Wode Opin			
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras				
		1/10001 5:0114	Number	%	
	one, am can rey deric dering cannot de	Modal Split	400	00.007	=
		Total Private Vehicles	108	90.8%	
		Total Private Vehicles Car (as driver)	108 0	90.8% 0.0%	
		Total Private Vehicles			
		Total Private Vehicles Car (as driver)			
		Total Private Vehicles Car (as driver) Car (as passenger)			
		Total Private Vehicles Car (as driver) Car (as passenger) Taxi	0	0.0%	
		Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	11	9.2%	
		Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle	11	9.2%	
ey Undertaken by (organisation):		Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	0 11 0	9.2% 0.0%	

Site Data	Number of Entry/Exits	1			
	Nearby Businesses	Mechanic			
	· · ·				
Area					
Characteristics	Surrounding land use	Commerical / Residential			
	Nearby on-street parking regime	On-street parking available on B	aemar Avenue		
Traffic Generation	Link Trips	Peak %	NA	of peak responses	NA
	,	Daily %	NA	of all responses	NA
	Frontage Road Peak Period	Time	12:00:00 PM	1:00:00 PM	
	-	Total	2870		
	Frontage Road Daily	Time	8:00 AM	12:00 AM	
		Total	22642		
	Development Peak - Frontage Road Traffic	Time	12:30 PM	1:30 PM	
		Total	2636		
Other Vehicle Trip				note parking spaces	
Rate Info	Peak 1-hour Vehicle-trips per Car Space	4.75	Trips per car space	estimated based on	
Trate into				aerials	
	Daily Vehicle-trips per Car Space	27.00	Trips per car space		
			•		
	Development Trips during Frontage Road Peaks				

Development Trips during Frontage Road Peaks
Peak

Site 09 - Results Summary Sheet 109 Miranda Rd Street, Miranda



				traffic engineering • transport plan	ining
Survey for:	Roads and Maritime Serivces NSW			Office Ref Only:	
Survey Period Date and Time	Friday	14th June 2019	7:30:00 AM	5:00:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
A. Site Data	Activity Name	Aqua Car Wash			
	Land Use Description	Café Car Wash			
	Local Authority (Council)	Sutherland		Ī	
	Street Address and Suburb	109 Miranda Rd Street, Miranda			
	Survey Site General Location	Suburbs			
	Highest Classification of Frontage Road	Collector	President Avenue		
	Frontage Road ADT	3000			
	Pedestrian Activity	Low			
	Public Transport Opportunities	Low			
	Approximate Café Seating Capacity	14			
		T	-	ı	.
B. Parking	Parking Spaces Provided On-Site	18			
i aikiliy	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand		ma	ax occupied spaces	
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA	Pea	k Parking Demand/	Staff
		T		1	
C.	00		-		
Trip Generation	Site Surveyed Arrival / Departure Flow	AM Peak Period	Time	10:45:00 AM	11:45:00 AM
·			In (ynh)		Total
			In (vph)	10	Total
			Out (vph)		
				18	34
		PM Peak Period	Time	2:00:00 PM	3:00:00 PM
		T W T Gaix T Griod			0.00.00
			In (vph)	18	Total
			Out (vph)		37
		Doily			
		Daily	Time	7:30:00 AM	5:00:00 PM
			Total In + Out (Vpd)	249	
	Peak trip Rate per 100m ² or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
		AM Peak Period	5.6667		1.6882
		PM Peak Period	6.1667		1.4380
		Daily	41.5000	23.7143	1.0584
D.					
	1	İ		1	
General Comments and Notes	Site Characteristics/Notes	Daily Mode Split			
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey				
General Comments and Notes	Alternate survey method used. No parking		Number	%	
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey	Modal Split		% 98.4%	
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey	Modal Split Total Private Vehicles	249	98.4%	
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey	Modal Split Total Private Vehicles Car (as driver)			Niet ouwer - d
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey	Modal Split Total Private Vehicles Car (as driver) Car (as passenger)	249	98.4%	Not surveyed
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi	249 249	98.4% 98.4%	Not surveyed Not surveyed
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey	Modal Split Total Private Vehicles Car (as driver) Car (as passenger)	249	98.4%	
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi	249 249	98.4% 98.4%	
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	249 249 4	98.4% 98.4% 1.6%	Not surveyed
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	249 249 4	98.4% 98.4% 1.6%	
General Comments and Notes Survey Undertaken by (organisation):	Alternate survey method used. No parking surveys or customer questionaires. No survey	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	249 249 4 4	98.4% 98.4% 1.6% 1.6%	Not surveyed

Name		T	_	_	T
Area Characteristics Surrounding land use Nearby on-street parking regime On-street parking available Principal Adjacent road - Peak Period AM 08:00 AM - 09:00 AM PM 03:30 PM - 04:30 PM	Site Data	Number of Entry/Exits	•		
Characteristics Surrounding land use Nearby on-street parking regime On-street parking available On-street parking a		Nearby Businesses	NA		
Characteristics Surrounding land use Nearby on-street parking regime On-street parking available On-street parking a					
Characteristics Surrounding land use Nearby on-street parking regime On-street parking available On-street parking a			_		
Nearby on-street parking regime	Area				
Principal Adjacent road - Peak Period (Weekday) PM	Characteristics				
Color Colo		Nearby on-street parking regime	On-street parking available		
Os:00 AM - 09:00 AM Os:00 AM		Principal Adjacent road - Peak Period	AN4		
Traffic Generation Frontage Road AM Peak Period Total 2922 Trips per car space PM Peak Period Total 2922 Trips per car space PM Peak Period Total 29327 Peak 1-hour Vehicle-trips per Car Space AM Peak Peak		(Weekday)	AW	08:00 AM - 09:00 AM	
Frontage Road AM Peak Period Ime 8:00:00 AM 9:00:00 AM 9:00:00 AM			PM	03:30 PM - 04:30 PM	
Frontage Road AM Peak Period Ime 8:00:00 AM 9:00:00 AM 9:00:00 AM					
Substitution Subs		Frontage Road AM Peak Period	Time		
Frontage Road PM Peak Period Time 3:30:00 PM 4:30:00 PM Total 3037	Generation			8:00:00 AM	9:00:00 AM
Peak 1-hour Vehicle-trips per Car Space PM Peak Peak		Frantaga Dand DM Dank Davind			4:20:00 DM
Frontage Road Daily Time 7:30:00 AM 5:30:00 PM		Frontage Road PM Peak Period			4.30.00 PIVI
Peak 1-hour Vehicle-trips per Car Space (note parking spaces estimated based on aerials) AM Peak 1.89 trips per car space PM Peak 2.06 trips per car space Daily 13.83 trips per car space Daily		Frontage Road Daily			5:30:00 PM
Vehicle Trips Peak 1-hour Vehicle-trips per Car Space (note parking spaces estimated based on aerials) AM Peak 1.89 trips per car space PM Peak 2.06 trips per car space Daily 13.83 trips per car space Development Trips during Frontage Road Peaks AM Peak PM Peak 3:15:00 PM 4:30:00 PM AM Peak 1-hour Vehicle-trips per Car Space PM Peak 27 Other Vehicle Trip Rate Info PM Peak 1-hour Vehicle-trips per Car Space		Tromage Noad Daily			3.30.00 F W
Vehicle Trips Space (note parking spaces estimated based on aerials) AM Peak 1.89 trips per car space PM Peak 2.06 trips per car space Daily 13.83 trips per car space Development Trips during Frontage Road Peaks AM Peak 8:00:00 AM 9:00:00 AM 9:00:00 AM PM Peak 27 Other Vehicle Trip Rate Info AM Peak 1-hour Vehicle-trips per Car Space PM Peak 1-hour Vehicle-trips per Car Space		1	rotar	25021	
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Daily Vehicle-trips per Car Space 13.83 Trips per car space					
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		1	1		<u> </u>

Site 09 - Results Summary Sheet 109 Miranda Rd Street, Miranda

Notes: Summary of survey results and preliminary analysis for site, as per RMS template.



Survey Period Date and Time Extended Data Collection? NO Includes Manual Surve A. Site Data A. Site Data A. Civity Name Land Use Description Local Authority (Council) Street Address and Suburb Survey Site General Location Highest Classification of Frontage Road Frontage Road ADT Pedestrian Activity Public Transport Opportunities Approximate Café Seating Capacity B. Parking Parking Spaces Provided On-Site Other Parking On-Site Other Parking On-Site Other Saff Parking (On-Street/Off-Site) Other Saff Parking On-Site Other Saff Parking On-Saff Parking On-	et, Miranda President Avenue 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
A. Site Data Activity Name Land Use Description Local Authority (Council) Street Address and Suburb Survey Site General Location Highest Classification of Frontage Road Frontage Road ADT Pedestrian Activity Public Transport Opportunities Approximate Cafe Sealing Capacity B. Parking Parking Spaces Provided On-Site Other Parking On-Site Other Parking On-Site Other Saff Parking (On-Street/Off-Site) Other Saff Parking Demand Peak Parking Demand Peak Parking Demand During Survey Peak Parking Demand Peak Parking Demand During Survey Peak Parking Demand Peak Parking Demand During Survey Peak Parking Demand Peak Parking Demand On-Site Other Parking On-Site Other Saff Parking On-Site Other Saf	et, Miranda President Avenue 8 0) 0 0
A. Site Data Activity Name	et, Miranda President Avenue 061 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Activity Name	President Avenue 061 8 0) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Local Authority (Council) Sutherland	President Avenue 061 8 0) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Street Address and Suburb 103 Miranda Rd Street Survey Site General Location Suburbs Highest Classification of Frontage Road Collector Frontage Road ADT 2400	President Avenue 061 8 0) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Survey Site General Location Suburbs	President Avenue 061 8 0) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Highest Classification of Frontage Road	8
Properties Low	8
Pedestrian Activity Public Transport Opportunities Approximate Café Seating Capacity 14 B. Parking Parking Spaces Provided On-Site Other Parking Spaces (On-Street/Off-Site) Staff Parking On-Site Other Saff Parking (On-Site) Other Saff Parking Demand Peak Parking Demand Peak Parking Demand During Survey Peak Parking Dem N/ C. Trip Generation Site Surveyed Arrival / Departure Flow Daily Peak Daily Peak Daily Peak Period Daily Daily Peak Period Daily Peak Period Daily Peak Period Daily Peak Period Daily Peak Period Daily Peak Period Daily Peak Period Daily Peak Period Daily Peak Period Daily Peak Period Daily Peak Period Daily Peak Period Daily Peak Period Daily Peak Period Daily Peak Period Daily Peak Period Daily Peak Period Daily Peak Period Daily Motes	8
Public Transport Opportunities Low	
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Trip Rate Per 100m2 or other unit (state) Daily Peak Period Daily Daily Daily Daily Daily Daily Daily Daily Daily Daily Daily Modes	15
Daily Peak Period Daily Daily Daily Site Characteristics/Notes Daily Peak Period Daily Daily Mode	Total In + Out (Vpd) 246
D. General Comments and Notes Site Characteristics/Notes Daily Daily Daily	Car Wash Bay 100m2 Site Area Frontage (per 100 ve
General Comments and Notes Site Characteristics/Notes Daily Mod	5.8333 3.3333 1.1182 41.0000 23.4286 1.0224
General Comments and Notes Site Characteristics/Notes Daily Mod	
Altomosto cum incluso attacal con al Maria and incre	ode Split
Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	ode Split
Total Private Vehicle	
Car (as driver)	l Split Number %
Car (as passenger)	Split
Taxi	l Split Number %
Total Alt Trans (PT a	Split Number %
On Foot	Number % Split
Bus Cycle	Split Number %
Undertaken by (organisation): TDC	Split Number %
vey Undertaken by (surveyor): Fred Stone	Number % Split

Daily % NA of all responses N	Site Data	Number of Entry/Exits	1			
Characteristics Surrounding land use Residential/ Retail Nearby on-street parking regime On-street parking available		Nearby Businesses	NA			
Characteristics Surrounding land use Residential/ Retail Nearby on-street parking regime On-street parking available						
Characteristics Surrounding land use Residential/ Retail Nearby on-street parking regime On-street parking available						
Nearby on-street parking regime Nearby on-street parking regime Nearby on-street parking available	Area					
Nearby on-street parking regime On-street parking available	Characteristics	Surrounding land use	Residential/ Retail			
Traffic Generation Link Trips Peak % NA of peak responses N Daily % NA of all responses N Time 12:00:00 PM 1:00:00 PM 1:0						
Daily % NA of all responses N Frontage Road Peak Period Time 12:00:00 PM 1:00:00 PM 1:00:00 PM		The same of the same of the same	on one parameter			
Daily % NA of all responses N Frontage Road Peak Period Time 12:00:00 PM 1:00:00 PM 1:00:00 PM						
Daily % NA of all responses N Frontage Road Peak Period Time 12:00:00 PM 1:00:00 PM 1:00:00 PM	Traffic Generation	Link Trips	Peak %	NA	of peak responses	NA
Total 3174 Frontage Road Daily Time 8:00 AM 12:00 AM Total 24061 Development Peak - Frontage Road Traffic Time 11:15 AM 12:15 PM Total 3130 Development Peak - Frontage Road Traffic Time 11:15 AM 12:15 PM Total 3130 Total Time 11:15 AM 12:15 PM Total 3130 Total Trips per car space Inote parking spaces estimated based on aerials Daily Vehicle-trips per Car Space Inote parking spaces estimated based on aerials		·	Daily %	NA	of all responses	NA
Frontage Road Daily Time 8:00 AM 12:00 AM Total 24061 Development Peak - Frontage Road Traffic Time 11:15 AM 12:15 PM Total 3130 Total Time 11:15 AM 12:15 PM Total Time Time Time Time Total Time Time Time Time Time Time Time Time Time Time Time Time Time Time Time Time Time Time Time Time		Frontage Road Peak Period	Time	12:00:00 PM	1:00:00 PM	
Total 24061			Total	3174		
Development Peak - Frontage Road Traffic Time 11:15 AM 12:15 PM Total Other Vehicle Trip Rate Info Peak 1-hour Vehicle-trips per Car Space Daily Vehicle-trips per Car Space 1.94 Trips per car space note parking spaces estimated based on aerials Trips per car space Trips per car space		Frontage Road Daily	Time	8:00 AM	12:00 AM	
Other Vehicle Trip Rate Info Peak 1-hour Vehicle-trips per Car Space 1.94 Trips per car space note parking spaces estimated based on aerials Daily Vehicle-trips per Car Space 13.67 Trips per car space			Total			
Other Vehicle Trip Rate Info Peak 1-hour Vehicle-trips per Car Space 1.94 Trips per car space spaces estimated based on aerials Daily Vehicle-trips per Car Space 13.67 Trips per car space		Development Peak - Frontage Road Traffic	Time			
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Daily Vehicle-trips per Car Space 13.67 Trips per car space	•	Peak 1-hour Vehicle-trips per Car Space	1.94	Trips per car space		
	Rate Info					
			-			
		Daily Vehicle-trips per Car Space	13.67	Tring per car space	-	
		Daily Verlicie-trips per Car Space	13.07	Trips per car space		
		1	L		<u> </u>	
		Development Trips during Frontage Road Peaks				

Development Trips during Frontage Road Peaks
Peak

Site 09 - Results Summary Sheet 109 Miranda Rd Street, Miranda

Notes: Summary of survey results and preliminary analysis for site, as per RMS template.



Survey for:	Roads and Maritime Serivces NSW			Office Ref Only	
Survey Period Date and Time	Sunday	28th July 2019	8:00:00 AM	5:00:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
Α.					
Site Data	Activity Name	Aqua Car Wash			
	Land Use Description	Café Car Wash			
	Local Authority (Council)	Sutherland			
	Street Address and Suburb	109 Miranda Rd Street, Miranda			
	Survey Site General Location	Suburbs			
	Highest Classification of Frontage Road	Collector	President Avenue		
	Frontage Road ADT	20344			
	Pedestrian Activity	Low			
	Public Transport Opportunities	Low			
	Approximate Café Seating Capacity	14			
В.					
Parking	Parking Spaces Provided On-Site	18			
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand	NA	ma	ax occupied spaces	NA
	Peak Parking Demand During Survey				
		Peak Parking Demand/ 100m2 GFA	Peak P	arking Demand/ En	nployee
		NA	T	NA	
C.					
Trip Generation	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time	11:15:00 AM	12:15:00 PM
			In (vph)	31	To
			Out (vph)	25	
		Daily	Time	8:00:00 AM	5:00:00 F
		Bany	Total In + Out (Vpd)	315	0.00.001
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 ve
		Daily Dook Daried			
		Daily Peak Period Daily	9.3333 52.5000	5.3333 30.0000	2.2346 1.5484
D.					
General Comments and Notes	Site Characteristics/Notes	Daily Mode Split			
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-				
	site, all survey done using cameras	Modal Split	Number	%	
		Total Private Vehicles	315	96.6%	
		Car (as driver)	0	0.0%	
		Car (as passenger)			
		Taxi			
			11	3.4%	
		Total Alt Trans (PT and Active)			
		On Foot	0	0.0%	
		Bus	_	2.55	
				Λ Λ0/	i
		Cycle	0	0.0%	
ey Undertaken by (organisation): urvey Undertaken by (surveyor):		TDC Fred Stone	Survey Contact fred@trafficdc.com.au	Fred Stone	

Site Data	Number of Entry/Exits	1			
	Nearby Businesses	NA			
		•			
Area					
Characteristics	Surrounding land use	Residential/ Retail			
	Nearby on-street parking regime	On-street parking available			
Traffic Generation	Link Trips	Peak %	NA	of peak responses	NA
		Daily %	NA	of all responses	NA
	Frontage Road Peak Period	Time	12:30:00 PM	1:30:00 PM	
		Total	2760		
	Frontage Road Daily	Time	8:00 AM	12:00 AM	
		Total	20344		
	Development Peak - Frontage Road Traffic	Time	11:15 AM	12:15 PM	
		Total	2506		
	T	1	1	Γ	
Other Vehicle Trip				note parking spaces	
Rate Info	Peak 1-hour Vehicle-trips per Car Space	3.11	Trips per car space	estimated based on	
		_		aerials	
	Deile Meliele (riege von Oran Oran	47.50	T		
	Daily Vehicle-trips per Car Space	17.50	Trips per car space		
	<u> </u>				
	Development Trips during Frontage Road]		

Development Trips during Frontage Road
Peaks
Peak
Peak

Site 10 - Results Summary Sheet 10-12 Flinders Street, Wollongong



				traffic engineering • transport pla	ming
Survey for:	Roads and Maritime Serivces NSW			Office Ref Only:	
Survey Period Date and Time	Friday	14th June 2019	8:00:00 AM	5:00:00 PM	
	Extended Data Collection? NO				
		Includes Manual Survey?	No		
A.					
Site Data	Activity Name	Professional Car Wash			
	Land Use Description	Café Car Wash			
	Local Authority (Council)	Wollongong			
	Local Address (Council)	Volidingorig			
	Street Address and Suburb	10-12 Flinders Street, Wollongong			
	Survey Site General Location	Inner			
	Highest Classification of Frontage Road		linders Street (Princes H'way	Λ	
	Frontage Road ADT		· · · · · · · · · · · · · · · · · · ·	<u>')</u>	
			1		I
	Pedestrian Activity	Low			
	Public Transport Opportunities	Moderate			
	Approximate Café Seating Capacity	NA			
			T		Т
B. Porking	Davidina One and David LO O'	_			
Parking	Parking Spaces Provided On-Site	3			
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand		ma	ax occupied spaces	
	Dook Darking Damand Daving Commen				
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA	Pea	k Parking Demand/	Staff
		9		<u> </u>	
C.	Site Surveyed Arrivel / Departure Flow	AM Peak Period	Time		
Trip Generation	Site Surveyed Arrival / Departure Flow	Alvi Peak Period	Time	11.20.00 11	12:20:00 DM
•				11:30:00 AM	12:30:00 PM
			In (vph)	5	Total
			0 1 (1 1 1		
			Out (vph)		
				6	11
		DM Dook Davied	Time	1:00:00 PM	2:00:00 PM
		PM Peak Period	Time	1.00.00 FIVI	2.00.00 FIVI
			In (vph)		
			iii (vpii)	14	Total
			Out (vph)	10	24
		Doily			
		Daily	Time	8:00:00 AM	5:00:00 PM
			Total In + Out (Vpd)		
	Peak trip Rate per 100m ² or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
	1 Sak trip reate per 100m of other unit (state)	AM Peak Period	2.7500		
	1	PM Peak Period			
			0.0000	() ()/(////	2.404
			6.0000		4 0007
		Daily	6.0000 24.7500		1.0927
					1.0927
					1.0927
D.					1.0927
	Site Characteristics/Notes	Daily			1.0927
	Site Characteristics/Notes				1.0927
		Daily			1.0927
	Alternate survey method used. No parking	Daily			1.0927
	Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily Daily Mode Split	24.7500	11.9277	1.0927
	Alternate survey method used. No parking	Daily Daily Mode Split			1.0927
	Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily Daily Mode Split	24.7500	11.9277	1.0927
	Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily Daily Mode Split Modal Split Total Private Vehicles	24.7500 Number 99	% 75.0%	1.0927
	Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily Mode Split Modal Split Total Private Vehicles Car (as driver)	24.7500 Number	11.9277 %	
	Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily Daily Mode Split Modal Split Total Private Vehicles	24.7500 Number 99	% 75.0%	1.0927 Not surveyed
	Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily Mode Split Modal Split Total Private Vehicles Car (as driver)	24.7500 Number 99	% 75.0%	Not surveyed
	Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi	24.7500 Number 99 99	% 75.0% 75.0%	
	Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	24.7500 Number 99 99	% 75.0% 75.0%	Not surveyed
	Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi	24.7500 Number 99 99	% 75.0% 75.0%	Not surveyed
D. General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	24.7500 Number 99 99	% 75.0% 75.0%	Not surveyed Not surveyed
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	24.7500 Number 99 99 33 28	% 75.0% 75.0% 25.0% 21.2%	Not surveyed
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle	24.7500 Number 99 99 33 28	% 75.0% 75.0% 25.0% 21.2%	Not surveyed Not surveyed
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	24.7500 Number 99 99 33 28	% 75.0% 75.0% 25.0% 21.2%	Not surveyed Not surveyed

			T	1
Site Data	Number of Entry/Exits	1		
	Nearby Businesses	NA		
Area				
Characteristics	Surrounding land use	Retail		
	Nearby on-street parking regime	No on-street parking available		
	Principal Adjacent road - Peak Period			
	(Weekday)	AM	00.00 AM 00.00 AM	
	(Weekday)	D14	08:00 AM - 09:00 AM	
		PM	03:15 PM - 04:15 PM	
T ('	I	T		Ī
Traffic	Frontage Road AM Peak Period	Time	8:00:00 AM	9:00:00 AM
Generation		Total	2123	
	Frantisca Dood DM Book Boried	Total Time	3:15:00 PM	4:15:00 PM
	Frontage Road PM Peak Period	Total	3. 15.00 PM 2261	4:15.00 PIVI
	Frantaga Daad Daily			12:00:00 AM
	Frontage Road Daily	Time	17876	
		Total	17070	
	B 141 VIII 0			Ī
\/ I · I · - ·	Peak 1-hour Vehicle-trips per Car			
Vehicle Trips	Space (note parking spaces estimated			
	based on aerials)	AM Peak		
			trips per car space	
		PM Peak		
		8.00	trips per car space	
		Daily		
		33.00	trips per car space	
	Development Trips during Frontage			
	Road Peaks	AM Peak	8:00:00 AM	9:00:00 AM
		5		
		PM Peak	3:15:00 PM	4:15:00 PM
		10		
Other Vehicle	AM Peak 1-hour Vehicle-trips per Car			note parking
Trip Rate Info	Space	3.67	Trips per car space	spaces estimated
mp reaconno	- Cpace			based on aerials
	PM Pook 1-hour Vohiolo tring per Car			1
	PM Peak 1-hour Vehicle-trips per Car	8.00	Trips per car space	
	Space			
				-
		1	T.:	i
	Daily Vehicle-trips per Car Space	33.00	Trips per car space	
	Daily Vehicle-trips per Car Space	33.00	Trips per car space	

Site 10 - Results Summary Sheet 10-12 Flinders Street, Wollongong



, ,	a prominiary analysis is: site, as per raise template			traffic engineering • transport plans	ing
Survey for:	Roads and Maritime Serivces NSW			Office Ref Only	
•				-	
Survey Period Date and Time	Saturday	15th	8:00:00 AM	5:00:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
Α.					
Site Data	,	Professional Car Wash			
	Land Use Description	Café Car Wash			
	Local Authority (Council)	Wollongong			
	Street Address and Suburb	10-12 Flinders Street, Wollongong			
	Survey Site General Location	Inner			
		Highway	Flinders Street (Princes H'way)		
	Frontage Road ADT	15960			
	Pedestrian Activity	Low			
	Public Transport Opportunities	Moderate			
	Approximate Café Seating Capacity	NA			
В.					
Parking	Parking Spaces Provided On-Site	3			
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand	NA	ma	ax occupied spaces	NA
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA NA	Peak P	arking Demand/ Em	ployee
_					
C.	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time		
Trip Generation				10:45:00 AM	11:45:00 AM
			In (vph)	10	Tota
			0.4(
			Out (vph)		
				8	1
		Daily	Time	8:00:00 AM	5:00:00 PN
			Total In + Out (Vpd)	97	
	Trip Data Day 100m2 or other unit (atata)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	1001112 Site Area	Frontage (per 100 veri)
		Daily Peak Period	4.5000	2.1687	1.7699
		Daily	24.2500	11.6867	1.1712
D.					
General Comments and	<u>.</u>	_			
Notes					
	Site Characteristics/Notes	Daily Mode Split			
		Daily Mode Split			
	Alternate survey method used. No parking	Daily Mode Split			
	Alternate survey method used. No parking surveys or customer questionaires. No survey				
	Alternate survey method used. No parking	Modal Split	Number	% 70.5%	
	Alternate survey method used. No parking surveys or customer questionaires. No survey	Modal Split Total Private Vehicles	97	79.5%	
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver)			
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles	97	79.5%	
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver)	97	79.5%	
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger)	97	79.5%	
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi	97	79.5% 0.0%	
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	97 0	79.5% 0.0% 20.5%	
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	97	79.5% 0.0%	
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	97 0 25 25	79.5% 0.0% 20.5% 0.0%	
Industration by (organisation)	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle	97 0 25 25 0	79.5% 0.0% 20.5% 0.0%	
Undertaken by (organisation): vey Undertaken by (surveyor):	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	97 0 25 25 0	79.5% 0.0% 20.5% 0.0%	

	<u></u>				
Site Data	Number of Entry/Exits	1			
	Nearby Businesses	NA			
Area					
Characteristics	Surrounding land use	Retail			
	Nearby on-street parking regime	No on-street parking available			
	•				
Traffic Generation	Link Trips	Peak %	NA	of peak responses	NA
		Daily %	NA	of all responses	NA
	Frontage Road Peak Period	Time	12:30:00 PM	1:30:00 PM	
		Total	2215		
	Frontage Road Daily	Time	8:00 AM	12:00 AM	
		Total	15960		
	Development Peak - Frontage Road Traffic	Time	10:45 AM	11:45 AM	
		Total	2027		
				•	
				note parking	
Other Vehicle Trip	Peak 1-hour Vehicle-trips per Car Space	6.00	Trips per car space	spaces estimated	
Rate Info	r sak i noa. Verneie anpe per sar space		mpo por car opaco	based on aerials	
		1			
	Daily Vehicle-trips per Car Space	32.33	Trips per car space	-	
			•		

Development Trips during Frontage Road Peaks	Peak
	10

Site 10 - Results Summary Sheet 10-12 Flinders Street, Wollongong



Survey for:	Roads and Maritime Serivces NSW			Office Ref Only	
Survey Period Date and Time	Sunday	28th July 2019	8:00:00 AM	5:00:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
A. Site Data	Activity Name	Professional Car Wash			
	Land Use Description	Café Car Wash			
	Local Authority (Council)	Wollongong			
	Street Address and Suburb	10-12 Flinders Street, Wollongong			
	Survey Site General Location	Inner			
	Highest Classification of Frontage Road	Highway	Flinders Street (Princes H'way)		
	Frontage Road ADT		Timders Street (Finces IT way)		
					T
	Pedestrian Activity	Low			
	Public Transport Opportunities	Moderate			
	Approximate Café Seating Capacity	NA			
В.					
Parking	Parking Spaces Provided On-Site	3			
_	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Citier Sair Farking (SII-Street SII-Site)	0			
	Peak Parking Demand	NA	max occupied spaces NA		NA
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA	Peak P	arking Demand/ En	nlovee
		NA	i can i	NA	іріоуес
		INA		INA	
C. Trip Generation	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time		
p conoranon				10:00:00 AM	11:00:00 AM
			In (vph)	13	То
			Out (vph)	7	
		Doily		•	5:00:00 F
		Daily	Time	8:00:00 AM	5.00.00 i
			Total In + Out (Vpd)	120	
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 ve
		Daily Peak Period	5.0000	2.4096	3.0030
		Daily	30.0000	14.4578	1.8248
D					
General Comments and Notes	Site Characteristics/Notes	Daily Mode Split			
	Site Orial acteristics/IVOtes	Daily Wode Spill			
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras				
	one, all our vey done doing carrieras	Modal Split	Number	%	
		Total Private Vehicles	120	100.0%	
		Car (as driver)	0	0.0%	
		Car (as passenger)			
		Taxi			
			0	0.00/	
		Total Alt Trans (PT and Active)	0	0.0%	
			()	0.0%	1
		On Foot	<u> </u>		
		Bus			
		Bus Cycle	0	0.0%	
ey Undertaken by (organisation): urvey Undertaken by (surveyor):		Bus	0		

Site Data	Number of Entry/Exits	1			
	Nearby Businesses	NA			
Area					
Characteristics	Surrounding land use	Retail			
	Nearby on-street parking regime	No on-street parking available			
	T				
Traffic Generation	Link Trips	Peak %		of peak responses	NA
		Daily %		of all responses	NA
	Frontage Road Peak Period	Time		12:30:00 PM	
		Total	1901		
	Frontage Road Daily	Time		12:00 AM	
		Total	12971		
	Development Peak - Frontage Road Traffic	Time			
		Total	1462		
Other Vehicle Trip Rate Info	Peak 1-hour Vehicle-trips per Car Space	6.67	Trips per car space	note parking spaces estimated based on aerials	
	Daily Vehicle-trips per Car Space	40.00	Trips per car space		

Development Trips during Frontage Road Peaks	Peak
	12

Site 11 - Results Summary Sheet 44 O'Riordan Street, Alexandria



Survey for:		Ī	T		
	Roads and Maritime Serivces NSW			Office Ref Only:	
Survey Period Date and Time	Friday	14th June 2019	6:00:00 AM	7:00:00 PM	
		25	0.00.001		
	Extended Data Collection? NO				
	Extended Data Collection? NO	Includes Manual Survey?	No		
Α.					
Site Data	Activity Name	Gold Car Wash Café			
One Butt	-	Coté Cor Moch			
	Land Use Description	Café Car Wash			
	Local Authority (Council)	Sydney	T		
	Street Address and Suburb	144 O'Diardan Street Alexandria			
		44 O'Riordan Street, Alexandria			
	Survey Site General Location	CBD	OID: 1 Ot 1		
	Highest Classification of Frontage Road	Collector	O'Riordan Street		
	Frontage Road ADT	52804		T	T
	Pedestrian Activity	Low			
	Public Transport Opportunities	Moderate			
	Approximate Café Seating Capacity	35	5		
В.					
Parking	Parking Spaces Provided On-Site	2			
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand		ma	ax occupied spaces	
	Peak Parking Demand During Survey				
	Peak Parking Demand Duning Survey	Peak Parking Demand/ 100m2 GFA	Peal	k Parking Demand/	Staff
C.	Site Surveyed Arrival / Departure Flow	AM Peak Period	Time		
Trip Generation				10:15:00 AM	11:15:00 AM
			In (vph)	14	Total
					1
			Out (vph)		
				40	26
		5115 15 11		12	26
				0.00.00.014	0.00.00.014
		PM Peak Period	Time	2:30:00 PM	3:30:00 PM
		РМ Реак Регіод		2:30:00 PM	3:30:00 PM
		РМ Реак Регіод	In (vph)	2:30:00 PM 16	3:30:00 PM Total
		РМ Реак Регіод	In (vph)		
			In (vph) Out (vph)	16 17	Total 33
		PM Peak Period Daily	In (vph)	16	Total 33
			In (vph) Out (vph)	16 17	Total 33
	Peak trip Rate per 100m ² or other unit (state)		In (vph) Out (vph) Time Total In + Out (Vpd)	16 17 6:00:00 AM 285	Total 33 7:00:00 P
	Peak trip Rate per 100m² or other unit (state)	Daily	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay	16 17 6:00:00 AM 285 100m2 Site Area	Total 33 7:00:00 P Frontage (per 100 veh
	Peak trip Rate per 100m² or other unit (state)	Daily AM Peak Period	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.8889	16 17 6:00:00 AM 285 100m2 Site Area 2.6000	Total 33 7:00:00 P Frontage (per 100 veh 1.488
	Peak trip Rate per 100m ² or other unit (state)	Daily AM Peak Period PM Peak Period	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.8889 3.6667	16 17 6:00:00 AM 285 100m2 Site Area 2.6000 3.3000	Total 33 7:00:00 P Frontage (per 100 veh 1.488 1.561
	Peak trip Rate per 100m ² or other unit (state)	Daily AM Peak Period	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.8889	16 17 6:00:00 AM 285 100m2 Site Area 2.6000	Total 33 7:00:00 P Frontage (per 100 veh 1.488 1.561
	Peak trip Rate per 100m ² or other unit (state)	Daily AM Peak Period PM Peak Period	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.8889 3.6667	16 17 6:00:00 AM 285 100m2 Site Area 2.6000 3.3000	Total 33 7:00:00 P Frontage (per 100 veh 1.488 1.561
D.	Peak trip Rate per 100m ² or other unit (state)	Daily AM Peak Period PM Peak Period	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.8889 3.6667	16 17 6:00:00 AM 285 100m2 Site Area 2.6000 3.3000	Total 33 7:00:00 P Frontage (per 100 veh 1.488 1.561
D. General Comments and Notes	Peak trip Rate per 100m ² or other unit (state)	Daily AM Peak Period PM Peak Period Daily	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.8889 3.6667	16 17 6:00:00 AM 285 100m2 Site Area 2.6000 3.3000	Total 33 7:00:00 P Frontage (per 100 veh 1.488 1.561
	Peak trip Rate per 100m ² or other unit (state) Site Characteristics/Notes	Daily AM Peak Period PM Peak Period	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.8889 3.6667	16 17 6:00:00 AM 285 100m2 Site Area 2.6000 3.3000	Total 33 7:00:00 P Frontage (per 100 veh 1.488 1.561
D. General Comments and Notes	Site Characteristics/Notes	Daily AM Peak Period PM Peak Period Daily	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.8889 3.6667	16 17 6:00:00 AM 285 100m2 Site Area 2.6000 3.3000	Total 33 7:00:00 P Frontage (per 100 veh 1.488 1.561
	Site Characteristics/Notes Alternate survey method used. No parking	Daily AM Peak Period PM Peak Period Daily	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.8889 3.6667	16 17 6:00:00 AM 285 100m2 Site Area 2.6000 3.3000	Total 33 7:00:00 P Frontage (per 100 veh 1.488 1.56
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily AM Peak Period PM Peak Period Daily Daily Daily Mode Split	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.8889 3.6667	16 17 6:00:00 AM 285 100m2 Site Area 2.6000 3.3000	Total 33 7:00:00 P Frontage (per 100 veh 1.488 1.56
	Site Characteristics/Notes Alternate survey method used. No parking	Daily AM Peak Period PM Peak Period Daily Daily Daily Mode Split	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.8889 3.6667	16 17 6:00:00 AM 285 100m2 Site Area 2.6000 3.3000 28.5000	Total 33 7:00:00 P Frontage (per 100 veh 1.488 1.56
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily AM Peak Period PM Peak Period Daily Daily Daily Mode Split Modal Split	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.8889 3.6667 31.6667	16 17 6:00:00 AM 285 100m2 Site Area 2.6000 3.3000 28.5000	Total 33 7:00:00 P Frontage (per 100 veh 1.488 1.561
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.8889 3.6667 31.6667	16 17 6:00:00 AM 285 100m2 Site Area 2.6000 3.3000 28.5000	Total 33 7:00:00 P Frontage (per 100 veh 1.488 1.561
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver)	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.8889 3.6667 31.6667	16 17 6:00:00 AM 285 100m2 Site Area 2.6000 3.3000 28.5000 % 91.1% 91.1%	Total 33 7:00:00 P Frontage (per 100 veh 1.488 1.561 1.1335
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.8889 3.6667 31.6667	16 17 6:00:00 AM 285 100m2 Site Area 2.6000 3.3000 28.5000 % 91.1% 91.1%	Total 33 7:00:00 P Frontage (per 100 veh 1.488 1.56
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger)	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.8889 3.6667 31.6667	16 17 6:00:00 AM 285 100m2 Site Area 2.6000 3.3000 28.5000 % 91.1% 91.1%	Total 33 7:00:00 P Frontage (per 100 veh 1.488 1.56 1.1335
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.8889 3.6667 31.6667 Number 285 285	16 17 6:00:00 AM 285 100m2 Site Area 2.6000 3.3000 28.5000 % 91.1% 91.1%	Total 33 7:00:00 P Frontage (per 100 veh 1.488 1.562 1.1335
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.8889 3.6667 31.6667 Number 285 285	16 17 6:00:00 AM 285 100m2 Site Area 2.6000 3.3000 28.5000 % 91.1% 91.1%	Total 33 7:00:00 P Frontage (per 100 veh 1.488 1.567 1.1335
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.8889 3.6667 31.6667 Number 285 285	16 17 6:00:00 AM 285 100m2 Site Area 2.6000 3.3000 28.5000 % 91.1% 91.1%	Total 33 7:00:00 P Frontage (per 100 veh 1.488 1.56 1.1335
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.8889 3.6667 31.6667 Number 285 285	16 17 6:00:00 AM 285 100m2 Site Area 2.6000 3.3000 28.5000 % 91.1% 91.1% 91.1%	Total 33 7:00:00 P Frontage (per 100 veh 1.488 1.567 1.1335
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.8889 3.6667 31.6667 Number 285 285 285	16 17 6:00:00 AM 285 100m2 Site Area 2.6000 3.3000 28.5000 % 91.1% 91.1% 91.1%	Total 33 7:00:00 P Frontage (per 100 veh 1.488 1.561 1.1335
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily AM Peak Period PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	In (vph) Out (vph) Time Total In + Out (Vpd) Car Wash Bay 2.8889 3.6667 31.6667 Number 285 285	16 17 6:00:00 AM 285 100m2 Site Area 2.6000 3.3000 28.5000 % 91.1% 91.1% 91.1%	Total 33 7:00:00 Pl Frontage (per 100 veh 1.488 1.561 1.1335

Site Data	Number of Entry/Exits	2		
2.1.0	Nearby Businesses	Power Golf		
	,			
Area				
Characteristics	Surrounding land use	Retail and Commerical		
	Nearby on-street parking regime	No on-street car parking		
	Principal Adjacent road - Peak Period			
	(Weekday)	AM	08:15 AM - 09:15 AM	
	(**************************************	PM	03:00 PM - 04:00 PM	
	1	[1 101	00.001101 04.001101	
Traffic				
Generation	Frontage Road AM Peak Period	Time	8:15:00 AM	9:15:00 AM
		Total	2174	
	Frontage Road PM Peak Period	Time	3:00:00 PM	4:00:00 PM
		Total	2228	
	Frontage Road Daily	Time	6:00:00 AM	4:00:00 F
		Total	25143	
	Peak 1-hour Vehicle-trips per Car			
Vehicle Trips	Space (note parking spaces estimated			
	based on aerials)	AM Peak		
		13.00	trips per car space	
		PM Peak	and a transfer of	
		16.50	trips per car space	
		Daily		
		142.50	trips per car space	
	Development Trips during Frontage			
	Road Peaks	AM Peak	8:15:00 AM	9:15:00 A
		19		
		PM Peak	3:15:00 PM	4:00:00 F
		25		
				note parking
Other Vehicle	AM Peak 1-hour Vehicle-trips per Car	13.00	Trips per car space	spaces estimate
Trip Rate Info	Space	10.00	Trips per car space	based on aerial
		1		Sacoa on aona
	PM Peak 1-hour Vehicle-trips per Car	16.50	Trips per car space	
	Space	10.50		
	Daily Vehicle-trips per Car Space	142.50	Trips per car space	

Site 11 - Results Summary Sheet 44 O'Riordan Street, Alexandria



,				traffic engineering • transport plans	ing
Survey for:	Roads and Maritime Serivces NSW			Office Ref Only	
				-	
Survey Period Date and Time	Saturday	15th June 2019	6:00:00 AM	7:00:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
Α.					
Site Data	Activity Name	Gold Car Wash Café			
	Land Use Description	Café Car Wash			
	Local Authority (Council)	Sydney			
•	Street Address and Suburb	44 O'Riordan Street, Alexandria			
		CBD			
		Collector	O'Riordan Street		
	Frontage Road ADT		01.00.00.00.00.		
	Pedestrian Activity	Low			
		Moderate			
	Approximate Café Seating Capacity	35			
	Pippi oximate data deating dapatity				
B. Parking	Parking Spaces Provided On-Site	2			
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
•	Carlot Gan Farking (Cir Garder Cir Cite)	Ŭ			
	Dook Dowling Domond	NIA		av accumind an acco	NΙΔ
	Peak Parking Demand	NA	l ma	ax occupied spaces	NA
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA NA	Peak P	arking Demand/ Em NA	ployee
C. Trip Generation	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time	12:15:00 PM	1:15:00 PM
			In (vph)	17	Tota
			Out (vph)		
			() /	22	3
		Daily	Time	6:00:00 AM	7:00:00 PI
		•			
			Total In + Out (Vpd)	200	
	T. D. D. 100 0		Con Wook Boy	298	Frantsia (nan 100 mah)
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
		Daily Peak Period	4.3333	3.9000	1.9559
		Daily	33.1111	29.8000	1.4021
•			33.1111	29.8000	1.1021
D.			33.1111	29.8000	11.1021
General Comments and			33.1111	29.8000	11.1021
General Comments and	Site Characteristics/Notes	Daily Mode Split	33.1111	29.8000	11.1021
General Comments and			33.1111	29.8000	11.1021
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey		33.1111	29.8000	11.1021
General Comments and	Alternate survey method used. No parking		Number	%	11.1021
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily Mode Split			11.1021
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Daily Mode Split Modal Split Total Private Vehicles	Number	% 98.7%	11.1021
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Daily Mode Split Modal Split Total Private Vehicles Car (as driver)	Number 298	%	11.1021
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Daily Mode Split Modal Split Total Private Vehicles	Number 298	% 98.7%	
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger)	Number 298	% 98.7%	
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger)	Number 298 0	% 98.7% 0.0%	
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	Number 298	% 98.7% 0.0%	
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	Number 298 0	% 98.7% 0.0%	
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	Number 298 0	% 98.7% 0.0% 1.3% 0.0%	
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle	Number 298 0	% 98.7% 0.0% 1.3% 0.0%	
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	Number 298 0	% 98.7% 0.0% 1.3% 0.0%	

	•			
Number of Entry/Exits	2			
Nearby Businesses	Power Golf			
Surrounding land use	Retail and Commerical			
Nearby on-street parking regime	No on-street car parking			
Link Trips	Peak %	NA	of peak responses	NA
	Daily %	NA	of all responses	NA
Frontage Road Peak Period	Time	1:45:00 PM	2:45:00 PM	
	Total	2039		
Frontage Road Daily	Time	6:00 AM	4:30 PM	
	Total	21254		
Development Peak - Frontage Road Traffic	Time	12:15 PM	1:15 PM	
	Total	1994		
Peak 1-hour Vehicle-trips per Car Space	19 50	Trins ner car snace	note parking	
T dak i flour verilole trips per dar opade	10.00	The per car space	based on aerials	
Daily Vehicle-trips per Car Space	149.00	Trips per car space		
	Surrounding land use Nearby on-street parking regime Link Trips Frontage Road Peak Period Frontage Road Daily Development Peak - Frontage Road Traffic Peak 1-hour Vehicle-trips per Car Space	Surrounding land use Retail and Commerical Nearby on-street parking regime No on-street car parking	Surrounding land use Retail and Commerical Nearby on-street parking regime No on-street car parking	Surrounding land use

Development Trips during Frontage Road Peaks	Peak	
		25

Site 11 - Results Summary Sheet 44 O'Riordan Street, Alexandria



				trainc engineering • transport plan	·····s
Survey for:	Roads and Maritime Serivces NSW			Office Ref Only	
				,	
Survey Period Date and Time	Sunday	16th June 2019	6:00:00 AM	7:00:00 PM	
	,				
	Extended Data Collection? NO	Includes Manual Survey?	No		
A.					
Site Data					
Site Data	Activity Name	Gold Car Wash Café			
	Land Use Description	Café Car Wash			
	Local Authority (Council)	Sydney			
	Street Address and Suburb	44 O'Riordan Street, Alexandria			
	Survey Site General Location	CBD			
		Collector	O'Riordan Street		
	· ·		O Riordan Street		
	Frontage Road ADT	52804			
	Pedestrian Activity	Low			
	Public Transport Opportunities	Moderate			
	Approximate Café Seating Capacity	35			
	- pp. o.m. are come graming capacity				
B.					
Parking	Parking Spaces Provided On-Site	2			
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand	NA	l ma	ax occupied spaces	NA
				особранова	
	Peak Parking Demand During Survey	D D : D 1/400 0.0FA	D		
		Peak Parking Demand/ 100m2 GFA	Peak P	arking Demand/ En	nployee
		NA		NA	
_					
C.	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time		
Trip Generation	Site Surveyed Arrivar/ Departure Flow	Daily Feak Fellou	Time		F:30:00 DM
-				4:30:00 PM	5:30:00 PM
			In (vph)	10	Tota
			Out (vph)	12	2
				· -	7.00.00.50
		Daily	Time	6:00:00 AM	7:00:00 Pl
			Total In + Out (Vpd)	151	
	T. D. D. 100 0 11 11 11 11 11				5 , , , , , , , , , , , , , , , , , , ,
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh,
		Daily Peak Period	2.4444	2.2000	1.2702
		Daily	16.7778	15.1000	0.7856
D.					
General Comments and Notes					
General Comments and Notes					
Serierai Somments and Notes	Site Characteristics/Notes	Daily Mode Split			
Concrai Comments and Notes		Daily Mode Split			
Seneral Comments and Notes	Alternate survey method used. No parking surveys	Daily Mode Split			
Concrai Comments and Notes		Daily Mode Split			
Concrai Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-		Nt. west = v	0/	
Concrai Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split	Number	%	
Ceneral Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles	151	95.6%	
Ceneral Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split			
ocheral comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver)	151	95.6%	
Ceneral Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger)	151	95.6%	
Ceneral Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi	151 0	95.6% 0.0%	
Concrai Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger)	151	95.6%	
Concrai Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi	151 0	95.6% 0.0%	
Concrai Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	151 0 7	95.6% 0.0% 3.8%	
Ceneral Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	151 0 7	95.6% 0.0% 3.8% 0.0%	
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle	151 0 7 6	95.6% 0.0% 3.8% 0.0%	
ey Undertaken by (organisation): Survey Undertaken by (surveyor):	Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	151 0 7 6	95.6% 0.0% 3.8% 0.0%	

Site Data	Number of Entry/Exits	2			
	Nearby Businesses	Power Golf			
		•			
Area					
Characteristics	Surrounding land use	Retail and Commerical			
	Nearby on-street parking regime	No on-street car parking			
Traffic Generation	Link Trips	Peak %	NA	of peak responses	NΑ
		Daily %	NA	of all responses	NΑ
	Frontage Road Peak Period	Time	12:45:00 PM	1:45:00 PM	
		Total	1986		
	Frontage Road Daily	Time	6:00 AM	4:30 PM	
		Total	19222		
	Development Peak - Frontage Road Traffic	Time	4:30 PM	5:30 PM	
		Total	1732		
			Т	1	
Other Vehicle Trip				note parking spaces	
Rate Info	Peak 1-hour Vehicle-trips per Car Space	11.00	Trips per car space	estimated based on	
		_		aerials	
	Daily Vehicle-trips per Car Space	75.50	Trips per car space	-	
	Daily vernere alpe per dar opade	75.55	po por car opaco		
				•	
	Development Trips during Frontage Road				

Development Trips during Frontage Road		
Peaks	Peak	
		10

Site 12 - Results Summary Sheet 1518 Canterbury Road, Punchbowl



Survey for:	Roads and Maritime Serivces NSW			Office Ref Only:	
-					
Survey Period Date and Time	Friday	14th June 2019	8:00:00 AM	6:00:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
Α.	1				
Site Data	Activity Name	Zoom Car Wash Café			
	Land Use Description	Café Car Wash			
	Local Authority (Council)	Canterbury-Bankstown			
	Street Address and Suburb	1518 Canterbury Road, Punchbowl			
	Survey Site General Location	Suburbs	0 1 1 5 1		
	Highest Classification of Frontage Road Frontage Road ADT	Major Arterial 20615	Canterbury Road		
	<u> </u>	Low			
		Low			
	Approximate Café Seating Capacity	15	<u> </u>	1	
B. Parking	Parking Spaces Provided On Site				
Parking	Parking Spaces Provided On-Site Other Parking Spaces (On-Street/Off-Site)	6			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand	-	m	ax occupied spaces	
	Peak Parking Demand During Survey				
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA	Pea	k Parking Demand/	Staff
C.	Site Surveyed Arrival / Departure Flow	AM Peak Period	Time		
Trip Generation	Site Surveyed Arrivar/ Departure Flow	AWT CART CHOC	Time	10:30:00 AM	11:30:00 AM
	1		In (vph)	15	Total
	1				
			Out (unb)		
			Out (vph)		
				9	24
]	PM Peak Period	Time	12:45:00 PM	1:45:00 PM
			In (vph)		
	_			11	Total
	_		Out (vph)	10	21
		Daily	Time	8:00:00 AM	6:00:00 P
	1	·	Total In + Out (Vpd)		0.00.00 P
	Peak trip Rate per 100m ² or other unit (state)				_ , , , , , , , , , , , , , , , , , , ,
			ICar Wash Ray	1100m2 Site Area	Frontage (ner 100 veh)
		AM Peak Period	Car Wash Bay 3,4286	100m2 Site Area 2.3188	
		AM Peak Period PM Peak Period	3.4286	2.3188	1.244
		AM Peak Period PM Peak Period Daily	-	2.3188 2.0290	1.24 ² 0.992
		PM Peak Period	3.4286 3.0000	2.3188 2.0290	0.992
D.		PM Peak Period	3.4286 3.0000	2.3188 2.0290	1.24 ⁴ 0.992
		PM Peak Period Daily	3.4286 3.0000	2.3188 2.0290	1.24 0.992
		PM Peak Period	3.4286 3.0000	2.3188 2.0290	1.24 0.992
		PM Peak Period Daily	3.4286 3.0000	2.3188 2.0290	1.24 0.992
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	PM Peak Period Daily Daily Mode Split	3.4286 3.0000	2.3188 2.0290	1.24 ⁴ 0.992
	Site Characteristics/Notes Alternate survey method used. No parking	PM Peak Period Daily Daily Mode Split	3.4286 3.0000 17.0000	2.3188 2.0290 11.4976	1.24 ⁴ 0.992
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey	PM Peak Period Daily Daily Mode Split Modal Split	3.4286 3.0000 17.0000 Number	2.3188 2.0290 11.4976	1.24 ⁴ 0.992
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles	3.4286 3.0000 17.0000 Number 119	2.3188 2.0290 11.4976 % 82.6%	1.24 ⁴ 0.992
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver)	3.4286 3.0000 17.0000 Number	2.3188 2.0290 11.4976	0.992 0.5772
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger)	3.4286 3.0000 17.0000 Number 119	2.3188 2.0290 11.4976 % 82.6%	1.24- 0.992 0.5772 Not surveyed
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi	3.4286 3.0000 17.0000 Number 119 119	2.3188 2.0290 11.4976 % 82.6% 82.6%	0.992 0.5772
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	3.4286 3.0000 17.0000 Number 119 119	2.3188 2.0290 11.4976 % 82.6% 82.6%	1.24- 0.992 0.5772
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi	3.4286 3.0000 17.0000 Number 119 119	2.3188 2.0290 11.4976 % 82.6% 82.6%	1.24- 0.992 0.5772
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	3.4286 3.0000 17.0000 Number 119 119	2.3188 2.0290 11.4976 % 82.6% 82.6%	1.24 ² 0.992 0.5772 Not surveyed
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	3.4286 3.0000 17.0000 Number 119 119	2.3188 2.0290 11.4976 % 82.6% 82.6%	1.244 0.992 0.5772 Not surveyed Not surveyed
D. General Comments and Notes vey Undertaken by (organisation): Survey Undertaken by (surveyor):	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	PM Peak Period Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	3.4286 3.0000 17.0000 Number 119 119 25 25	2.3188 2.0290 11.4976 % 82.6% 82.6% 17.4%	1.244 0.992 0.5772 Not surveyed Not surveyed

Site Data	Number of Entry/Exits	2			
	Nearby Businesses	NA			
Area					
Characteristics	Surrounding land use	Residential			
	Nearby on-street parking regime	No on-street parking			
	Principal Adjacent road - Peak Period				
	(Weekday)	AM		09:15 AM - 10:15 AM	
	(1.00.003)	PM		03:45 PM - 04:45 PM	
	<u></u>	1 101		00.401101 04.401101	
Traffic	5 / 5 / 44/5 / 5 / /		_ .		
Generation	Frontage Road AM Peak Period		Time	9:15:00 AM	10:15:00 AM
			Total	1959	
	Frontage Road PM Peak Period		Time	3:45:00 PM	4:45:00 PM
			Total	2286	
	Frontage Road Daily		Time	8:00:00 AM	6:00:00 PM
			Total	20615	
	1	1	I		
	Peak 1-hour Vehicle-trips per Car				
Vehicle Trips	Space (note parking spaces estimated				
	based on aerials)	AM Peak			
			4.00	trips per car space	
		PM Peak			
		D "	3.50	trips per car space	
		Daily	40.00	4 vino nov on on	
	Development Trip a device Frances		19.83	trips per car space	
	Development Trips during Frontage Road Peaks	AM Peak		9:15:00 AM	10:15:00 AM
	Noau Feaks	AIVI Feak	16	9.15.00 AM	10.15.00 AW
		PM Peak	10	3:15:00 PM	4:45:00 PM
		T W T Call		0.10.001111	1. 10.00 1 10
			10		
	•				
					note norking
Other Vehicle	AM Peak 1-hour Vehicle-trips per Car	4.00		Trips per car space	note parking spaces estimated
Trip Rate Info	Space	4.00		Trips per car space	based on aerials
					based on aenais
	PM Peak 1-hour Vehicle-trips per Car	3.50		Trips per car space	
	Space	3.30		Trips per car space	
	Daily Vehicle-trips per Car Space	19.83		Trips per car space	

Site 12 - Results Summary Sheet 1518 Canterbury Road, Punchbowl



,		•		traffic engineering •transport plan	ning
Survey for:	Roads and Maritime Serivces NSW			Office Ref Only	
j				,	
Survey Period Date and Time	Saturday	15th June 2019	8:00:00 AM	6:00:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
Δ.					
A. Site Data	A stirite Along	Zaara Car Wash Café			
One Data	Activity Name	Zoom Car Wash Café Café Car Wash			
	Land Use Description Local Authority (Council)	Canterbury-Bankstown			
	Street Address and Suburb	1518 Canterbury Road, Punchbowl	I		
	Survey Site General Location	Suburbs			
	Highest Classification of Frontage Road	Major Arterial	Canterbury Road		
	Frontage Road ADT		,		
	Pedestrian Activity	Low			
	Public Transport Opportunities	Low			
	Approximate Café Seating Capacity	15			
B.					
Parking	Parking Spaces Provided On-Site	6			
	Other Parking Spaces (On-Street/Off-Site) Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Other dan't arking (On-Street On-Site)	Ŭ			
	Peak Parking Demand	NA	m	ax occupied spaces	NΙΛ
		INA INA	1116	ax occupied spaces	INA
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA NA	Peak P	arking Demand/ Em NA	nployee
C. Trip Generation	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time	1:45:00 PM	2:45:00 PM
			In (vph)	24	Total
			Out (vph)		
				11	35
		Daily	Time	8:00:00 AM	6:00:00 PM
		Dally	Time	0.00.00 AW	0.00.00 FW
			Total In + Out (Vpd)	000	
	Trip Data Day 400m 0 an ath an and totals.)		Cor Week Boy	206	Frantago (nor 100 yeh)
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
		Daily Peak Period	5.0000	3.3816	1.4439
		Daily	29.4286	19.9034	0.9656
D.					
General Comments and					
Notes	Site Characteristics/Notes	Daily Mode Split			
		,			
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Madal Culit		0/	
		Modal Split Total Private Vehicles	Number 206	% 96.3%	
		Car (as driver)	0	0.0%	
		Car (as passenger)	<u> </u>	0.070	
		our (de passoniger)			
		Tovi			
		Taxi Total Alt Trans (PT and Active)	8	3.7%	
		On Foot	8	0.0%	
		Bus	, , ,	3.370	
		Cycle	0	0.0%	
Undertaken by (organisation):		TDC	Survey Contact	Fred Stone	
vey Undertaken by (surveyor):		Fred Stone	fred@trafficdc.com.au		

Site Data	Number of Entry/Exits	2				
	Nearby Businesses	NA				
	T	1				
Area						
Characteristics	Surrounding land use	Residential				
	Nearby on-street parking regime	No on-street parking				
T " 0 "	 .	ı	D / 0/	NIA	I-6I	NIA
Traffic Generation	Link Trips		Peak %		of peak responses	NA
	5 . 5 . 15 . 15 . 1	1	Daily %	NA 1 00 00 PM	of all responses	NA
	Frontage Road Peak Period		Time	1:00:00 PM	2:00:00 PM	
			Total	2475		
	Frontage Road Daily		Time	8:00 AM		
			Total	21334		
	Development Peak - Frontage Road Traffic		Time	1:45 PM	2:45 PM	
			Total	2424		
		T			T	
Other Vehicle Trip Rate Info	Peak 1-hour Vehicle-trips per Car Space	5.83		Trips per car space	note parking spaces estimated based on aerials	
	Daily Vehicle-trips per Car Space	-	34.33	Trips per car space		

Development Trips during Frontage Road Peaks	Peak

Site 12 - Results Summary Sheet 1518 Canterbury Road, Punchbowl

Notes: Summary of survey results and preliminary analysis for site, as per RMS template.



Survey for:	Roads and Maritime Serivces NSW	I		Office Ref Only	
Curvey ron.	Troduc dira Marianie Convoco New			Office Ref Grilly	
Survey Period Date and Time	Sunday	28th July 2019	8:00:00 AM	6:00:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
Α.					
Site Data	Activity Nama	Zoom Cor Wooh Cofé			
One Data	Activity Name	Zoom Car Wash Café			
	Land Use Description	Café Car Wash			
	Local Authority (Council)	Canterbury-Bankstown			Τ
	Street Address and Suburb	1518 Canterbury Road, Punchbowl			
	Survey Site General Location	Suburbs			
	Highest Classification of Frontage Road	Major Arterial	Canterbury Road		
	Frontage Road ADT				<u> </u>
	Pedestrian Activity	Low			
	Public Transport Opportunities	Low			
	Approximate Café Seating Capacity	15			
B. Parking	Parking Change Previded On City				
Parking	Parking Spaces Provided On-Site	6	<u> </u>		
	Other Parking Spaces (On-Street/Off-Site)	0	<u> </u>		
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand	NA	max occupied spaces NA		
	Peak Parking Demand During Survey	D D : D :	D 1 D		
		Peak Parking Demand/ 100m2 GFA	Peak P	Parking Demand/ En	nployee
		NA NA	1	NA	<u> </u>
C.	Site Surveyed Arrivel / Departure Flour	Daily Peak Period	Time		
Trip Generation	Site Surveyed Arrival / Departure Flow	Dally Feak Fellou	Time	2:45:00 PM	3:45:00 PM
			In (vph)	18	Tota
			Out (vph)	• •	3
		Daily	Time	8:00:00 AM	6:00:00 PI
			Total In + Out (Vpd)	205	
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
	The Rate Fel Tooms of other unit (state)		Car Wasii Bay	1001112 Site Area	Frontage (per 100 ven)
		Daily Peak Period	4.5714	3.0918	1.4849
		Daily	29.2857	19.8068	1.0486
		Daily	20.2001	10.0000	1.0100
D.					
General Comments and Notes					
	Site Characteristics/Notes	Daily Mode Split			
	Alta-marks are supported by a district of the state of th				
	Alternate survey method used. No parking surveys				
	or customer questionaires. No survey personell on-				
	site, all survey done using cameras	Modal Split	Number	%	
		Total Private Vehicles	205	92.8%	
		Car (as driver)	0	0.0%	
		Car (as passenger)			
		Taxi			
		Total Alt Trans (PT and Active)	16	7.2%	
		On Foot	0	0.0%	
			 	0.070	
		Bus	0	0.00/	
Ī		Cycle		0.0%	
(av I Indortakon by (arganization):		TDC	Survey Contact	Erad Stana	
vey Undertaken by (organisation): Survey Undertaken by (surveyor):		TDC Fred Stone	Survey Contact fred@trafficdc.com.au	Fred Stone	

Iand use reet parking regime Link Trips Ontage Road Peak Period Frontage Road Daily	Residential No on-street parking	Peak % Daily % Time Total	NA 1:30:00 PM 2333		NA NA
Link Trips ontage Road Peak Period		Daily % Time Total	NA 1:30:00 PM 2333	of all responses 2:30:00 PM	
Link Trips ontage Road Peak Period		Daily % Time Total	NA 1:30:00 PM 2333	of all responses 2:30:00 PM	
Link Trips ontage Road Peak Period		Daily % Time Total	NA 1:30:00 PM 2333	of all responses 2:30:00 PM	
Link Trips ontage Road Peak Period		Daily % Time Total	NA 1:30:00 PM 2333	of all responses 2:30:00 PM	
Link Trips ontage Road Peak Period	TWO OIT STIEGE PAIKING	Daily % Time Total	NA 1:30:00 PM 2333	of all responses 2:30:00 PM	
ontage Road Peak Period		Daily % Time Total	NA 1:30:00 PM 2333	of all responses 2:30:00 PM	
ontage Road Peak Period		Daily % Time Total	NA 1:30:00 PM 2333	of all responses 2:30:00 PM	
ontage Road Peak Period		Daily % Time Total	NA 1:30:00 PM 2333	of all responses 2:30:00 PM	
		Time Total	1:30:00 PM 2333	2:30:00 PM	
Frontage Road Daily		<i>T</i>		+	
		Time	8:00 AM	12:00 AM	
		Total	19549		
ent Peak - Frontage Road Traffic		Time	2:45 PM	3:45 PM	
		Total	2155		
	1			T	
our Vehicle-trips per Car Space	5.33		Trips per car space	note parking spaces estimated based on aerials	
Vehicle-trips per Car Space	34.17		Trips per car space	-	
	our Vehicle-trips per Car Space Vehicle-trips per Car Space				aerials

Development Trips during Frontage Road
Peaks
Peak

Site 013 - Results Summary Sheet 35 Henry Street, Penrith



Survey for:	Roads and Maritime Serivces NSW			Office Ref Only:	
Survey Period Date and Time	Friday	14th June 2019	8:00:00 AM	4:00:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
Δ.					
A. Site Data	A a thirthe A large	Flamence Comusek			
Site Data	Activity Name	Elegance Carwash Car Wash & Café			
	Land Use Description	Penrith			
	Local Authority (Council)	Pennin	Τ		T
	Street Address and Suburb	35 Henry Street, Penrith			
	Survey Site General Location	Inner			
	Highest Classification of Frontage Road	Collector	Henry Street		
	Frontage Road ADT				
	Pedestrian Activity	Low			
	Public Transport Opportunities	Low			
	Approximate Café Seating Capacity	55		•	
	1				
B.	Bouting Oneses Dec 14 40 27	_			
Parking	Parking Spaces Provided On-Site	4		1	
	Other Parking Spaces (On-Street/Off-Site) Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0		-	
	Peak Parking Demand	Ü	m	I ax occupied spaces	
				ax occupied spaces	
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA	Pea	k Parking Demand/	Staff
		Feak Faiking Demand/ 100m2 GFA	ГСа	Tarking Demand/	Stall
	<u> </u>				
C. Trip Generation	Site Surveyed Arrival / Departure Flow	AM Peak Period	Time	8:45:00 AM	9:45:00 AM
	1		In (vph)		Total
			Out (vph)		12
	1	PM Peak Period	Time	12:00:00 PM	1:00:00 PM
	1	FINI FEAK FEITOU			1.00.001 W
	_		In (vph) Out (vph)	5	Total 9
	7	5 "			
		Daily	Time	8:00:00 AM	4:00:00 PM
			Total In + Out (Vpd)	48	
	Peak trip Rate per 100m ² or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
		AM Peak Period	2.0000		
]	PM Peak Period	1.5000		
		Daily	8.0000	4.3636	
D. General Comments and Notes	Site Characteristics/Notes	Daily Mode Split			
	Alternate survey method used. No parking	,			
	surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Adada Only			
		Iviodai Spiit	Number	%	
		Total Private Vehicles	48	72.7%	
		Car (as driver)	48	72.7%	
		Car (as passenger)			Not surveyed
		Taxi			Not surveyed
		Total Alt Trans (PT and Active)	18	27.3%	,
		On Foot	18	27.3%	
		Bus			Not surveyed
		Cycle	0	0.0%	
rvey Undertaken by (organisation):		TDC	Survey Contact	Fred Stone	
Survey Undertaken by (surveyor):		Fred Stone	fred@trafficdc.com.au		Ī

Site Data	Number of Entry/Exits	1		
	Nearby Businesses	Family Centre		
Area				
Characteristics	Surrounding land use	Retail		
onarastonous	Nearby on-street parking regime	On-street parking available		
	Principal Adjacent road - Peak Period	on on our pariting available		
	(Weekday)	AM	00.45 AM 00.45 AM	
	(vveckday)	DAA	08:15 AM - 09:15 AM 03:00 PM - 04:00 PM	
		PM	03.00 PIVI - 04.00 PIVI	
Traffic	1	T		
Generation	Frontage Road AM Peak Period	Time	8:15:00 AM	9:15:00 AM
Ocheration		Total	851	01101007
	Frontage Road PM Peak Period	Time	3:00:00 PM	4:00:00 PM
		Total	920	
	Frontage Road Daily	Time	8:00:00 AM	12:00:00 AM
	j	Total	6460	
	•			
	Peak 1-hour Vehicle-trips per Car			
Vehicle Trips	Space (note parking spaces estimated			
	based on aerials)	AM Peak		
	,			
		3.00	trips per car space	
		PM Peak	inpo por car opaco	
			trips per car space	
		Daily		
			trips per car space	
	Development Trips during Frontage			
	Road Peaks	AM Peak	8:15:00 AM	9:15:00 AM
		7		
		PM Peak	3:15:00 PM	4:00:00 PM
		1		
				note parking
Other Vehicle	AM Peak 1-hour Vehicle-trips per Car	3.00	Trips per car space	spaces estimated
Trip Rate Info	Space	0.00	Tripo per car opace	based on aerials
				badda on adriaid
	PM Peak 1-hour Vehicle-trips per Car	2.25	Trips per car space	
	Space	2.20		
	Daily Vehicle-trips per Car Space	10.00	Trips per car space	
		12.00	The harman	
		<u> </u>		

Site 13 - Results Summary Sheet 35 Henry Street, Penrith

Notes: Summary of survey results and preliminary analysis for site, as per RMS template.



				traffic engineering •transport plant	
Survey for:	Roads and Maritime Serivces NSW			Office Ref Only	
Survey Period Date and	Saturday	15th June 2019	8:00:00 AM	4:00:00 PM	
Time	Saturday	15th June 2019	6.00.00 AIVI	4.00.00 PIVI	
	Extended Data Collection? NO	Includes Manual Survey?	No		
		,			
Α.					
Site Data	Activity Nome	Florence Convect			
One Bata		Elegance Carwash			
	Land Use Description	Car Wash & Café			
	Local Authority (Council)	Penrith			
	Street Address and Suburb	35 Henry Street, Penrith			
	Survey Site General Location	Inner			
	Highest Classification of Frontage Road	Collector	Henry Street		
	Frontage Road ADT	6017			
		Low			
	Public Transport Opportunities	Low			
	Approximate Café Seating Capacity	55			
	The second control of the second control of				
			+		
B.					
Parking	Parking Spaces Provided On-Site	4			
			+		
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Care care arrang (care care care care)	-			
	Peak Parking Demand	NA	l ma	ax occupied spaces	NA
	Peak Parking Demand During Survey				
	Todak Carring Daniel Daniel Grant by	Peak Parking Demand/ 100m2 GFA	Peak P	arking Demand/ Em	ployee
		NA		NA	
C.					
	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time		
Trip Generation		ĺ		11:00:00 AM	12:00:00 PM
			In (vph)	5	Tota
			Out (vph)		
			Cat (vp.ii)		
				6	1
		- "			
		Daily	Time	8:00:00 AM	4:00:00 P
			Total In + Out (Vpd)		
				59	
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
					7
		Daily Peak Period	1.8333	1.0000	1.2615
		Daily	9.8333	5.3636	0.9806
	İ	1			
				<u>I</u>	
D.					
D. General Comments and					
General Comments and					
	Site Characteristics/Notes	Dailv Mode Split			
General Comments and	Site Characteristics/Notes	Daily Mode Split			
General Comments and		Daily Mode Split			
General Comments and	Alternate survey method used. No parking	Daily Mode Split			
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey	Daily Mode Split			
General Comments and	Alternate survey method used. No parking		Number	%	
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey	Modal Split	Number	% 92.10/	
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles	59	83.1%	
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split			
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver)	59	83.1%	
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles	59	83.1%	
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver)	59	83.1%	
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver)	59	83.1%	
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver)	59	83.1%	
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger)	59	83.1%	
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi	59 0	83.1% 0.0%	
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	59	83.1%	
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	59 0	83.1% 0.0% 16.9%	
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	59 0	83.1% 0.0%	
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	59 0 12 0	83.1% 0.0% 16.9% 0.0%	
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle	59 0 12 0	83.1% 0.0% 16.9% 0.0%	
General Comments and Notes	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	59 0 12 0	83.1% 0.0% 16.9% 0.0%	
General Comments and	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle	59 0 12 0	83.1% 0.0% 16.9% 0.0%	

Site Data	Number of Entry/Exits	1			
	Nearby Businesses	Family Centre			
Area					
Characteristics	Surrounding land use	Retail			
	Nearby on-street parking regime	On-street parking available			
	•			<u> </u>	
Traffic Generation	Link Trips	Peak %	NA	of peak responses	NA
	·	Daily %	NA	of all responses	NA
	Frontage Road Peak Period	Time	12:30:00 PM	1:30:00 PM	
		Total	938		
	Frontage Road Daily	Time	8:00 AM	12:00 AM	
		Total	6017		
	Development Peak - Frontage Road Traffic	Time	11:00 AM	12:00 PM	
		Total	872		
	1			T	
Other Vehicle Trip				note parking	
Rate Info	Peak 1-hour Vehicle-trips per Car Space	2.75	Trips per car space	spaces estimated	
reate into				based on aerials	
		1			
	Daily Vehicle-trips per Car Space	14.75	Trips per car space		
		\neg	-		

Development Trips during Frontage Road Peaks Peak

Site 13 - Results Summary Sheet 35 Henry Street, Penrith



Survey for	Roads and Maritime Serivces NSW	T		Office Ref Only	
Survey for:	Roads and Mantime Services NSW			Office Ref Only	
Survey Period Date and Time	Sunday	28th July 2019	8:00:00 AM	4:00:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
A. Site Data	Activity Name	Elegance Carwash			
	Land Use Description	Car Wash & Café			
	Local Authority (Council)	Penrith			
	Street Address and Suburb	35 Henry Street, Penrith			
	Survey Site General Location	Inner			
	Highest Classification of Frontage Road	Collector	Henry Street		
	Frontage Road ADT		,		
	Pedestrian Activity	Low			
	Public Transport Opportunities	Low			
	Approximate Café Seating Capacity	55			
B. Parking	Parking Spaces Provided On Site	4			
· simily	Parking Spaces Provided On-Site Other Parking Spaces (On-Street/Off-Site)				
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand	NA	ma	ax occupied spaces	NA
	Peak Parking Demand During Survey				
		Peak Parking Demand/ 100m2 GFA	Peak P	Parking Demand/ En	nployee
		NA		NA	
C. Trip Generation	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time	12:45:00 PM	1:45:00 PM
			tra (i wata)		
			In (vph)	7	Tota
			Out (vph)	10	1
		Daily	Time	8:00:00 AM	4:00:00 PN
		Dany			1.00.0011
			Total In + Out (Vpd)		
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
			0.000	4 = 4==	0.0040
		Daily Peak Period	2.8333	1.5455	2.2819
		Daily	9.5000	5.1818	1.3155
D.					
General Comments and Notes	Site Characteristics/Notes	Daily Mode Split			
	Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-				
	site, all survey done using cameras	Modal Split	Number	%	
		Modal Split Total Private Vehicles	Number 57	% 57.6%	
	site, all survey done using cameras	Total Private Vehicles			
	site, all survey done using cameras	Total Private Vehicles Car (as driver)	57	57.6%	
	site, all survey done using cameras	Total Private Vehicles Car (as driver) Car (as passenger)	57	57.6%	
	site, all survey done using cameras	Total Private Vehicles Car (as driver) Car (as passenger) Taxi	57 0	57.6% 0.0%	
	site, all survey done using cameras	Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	57 0 42	57.6% 0.0% 42.4%	
	site, all survey done using cameras	Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	57 0	57.6% 0.0%	
	site, all survey done using cameras	Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	57 0 42 0	57.6% 0.0% 42.4% 0.0%	
	site, all survey done using cameras	Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle	57 0 42 0	57.6% 0.0% 42.4% 0.0%	
ey Undertaken by (organisation): Survey Undertaken by (surveyor):	site, all survey done using cameras	Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	57 0 42 0	57.6% 0.0% 42.4% 0.0%	

Site Data	Number of Entry/Exits	1			
	Nearby Businesses	Family Centre			
Area Characteristics	Surrounding land use	Retail			
	Nearby on-street parking regime	On-street parking available			
		-			
			,		
Traffic Generation	Link Trips	Peak %		of peak responses	NA
		Daily %		of all responses	N/
	Frontage Road Peak Period	Time	1:00:00 PM	2:00:00 PM	
		Total	754		
	Frontage Road Daily	Time	8:00 AM	12:00 AM	
		Total	4333		
	Development Peak - Frontage Road Traffic	Time	12:45 PM	1:45 PM	
		Total	745		
				note parking spaces	
Other Vehicle Trip	Peak 1-hour Vehicle-trips per Car Space	4.25	Trips per car space	estimated based on	
Rate Info	The same is a second to the se			aerials	
		1105			
	Daily Vehicle-trips per Car Space	14.25	Trips per car space		
			1	I	
	Development Trips during Frontage Road				

Development Trips during Frontage Road	
Peaks	Peak
	16

Site 14 - Results Summary Sheet 120 Victoria Road, Drummoyne



				traine engineering - transport plan	0
Survey for:	Roads and Maritime Serivces NSW			Office Ref Only:	
		4.44 1 2040	0.00.00.444	4 45 00 514	
Survey Period Date and Time	Friday	14th June 2019	8:00:00 AM	4:45:00 PM	
	Extended Data Collection? NO	la chada a Marayal Oyan ya 2	NI.		
		Includes Manual Survey?	No		
A.					
Site Data	Activity Name	Rainbow Hand Car Wash & Café			
	Land Use Description	Car Wash & Café			
	Local Authority (Council)	Canada Bay			
	,				
	Street Address and Suburb	120 Victoria Road, Drummoyne			
	Survey Site General Location	Inner			
		Major Arterial	Victoria Road		
	Frontage Road ADT				
	Pedestrian Activity	Low			
	Public Transport Opportunities	Low			
	Approximate Café Seating Capacity	25			
	proproximate data deating dapatity				
В.					
Parking	Parking Spaces Provided On Site	10			
raikiliy	Parking Spaces Provided On-Site				
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand		m:	ax occupied spaces	
	Peak Parking Demand During Survey				
	Todak Turking Bernand Buring Gurvey	Peak Parking Demand/ 100m2 GFA	Pea	k Parking Demand/	Staff
C.					
	Site Surveyed Arrival / Departure Flow	AM Peak Period	Time		
Trip Generation	, i			10:30:00 AM	11:30:00 AM
			In (vph)	14	Total
			Out (vph)		
				11	25
		DM Deads Deviced	There		
		PM Peak Period	Time	1:30:00 PM	2:30:00 PM
			In (vph)		
			(<i>vp.</i>)	15	Total
			Out (vph)	13	28
		Daily	Time		
		Dany		8:00:00 AM	4:45:00 PM
			Total In + Out (Vpd)	174	
	Peak trip Rate per 100m ² or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
	1	AM Peak Period	4.1667		1.6297
	1	PM Peak Period	4.6667	2.5455	1.4300
	1	Daily	29.0000		
	1	·			
D.					
General Comments and Notes					
	Site Characteristics/Notes	Daily Mode Split			
	Alternate survey method used. No parking				
	Alternate survey method used. No parking				
	surveys or customer questionaires. No survey				
	personell on-site, all survey done using cameras	Modal Split	Number	%	
		Total Private Vehicles	174	87.4%	
		Car (as driver)	174	87.4%	
		Car (as passenger)			Not surveyed
		Taxi			Not surveyed
		Total Alt Trans (PT and Active)	25	12.6%	,
		On Foot	25	12.6%	
		Bus			Not surveyed
		Cycle	0	0.0%	
				0.070	
Irvey Undertaken by (organisation).					
urvey Undertaken by (organisation): Survey Undertaken by (surveyor):		TDC Fred Stone	Survey Contact fred@trafficdc.com.au	Fred Stone	

Site Data	Number of Entry/Exits	2		
	Nearby Businesses	Eurolife kitchens & wardrobes		
Λ roo				
Area				
Characteristics	Surrounding land use	Retail & Residential		
	Nearby on-street parking regime	On-street parking is available		
	Principal Adjacent road - Peak Period	0.04		
	(Weekday)	AM	08:00 AM - 09:00 AM	
		PM	03:30 PM - 04:30 PM	
	<u> </u>	<u> </u>	00.001 111	
Traffic				
Generation	Frontage Road AM Peak Period	Time	8:00:00 AM	9:00:00 AM
Generation		Total	4063	0.00.00 7 ((V)
	Frontage Road PM Peak Period	Time	3:30:00 PM	4:30:00 PM
	Tromage Noad Fivi Feak Fellod	Total	3.30.00 FW 4951	T.00.00 1°101
	Frontago Dood Doile		8:00:00 AM	12:00:00 AM
	Frontage Road Daily	Time		12.00.00 AIVI
	L	Total	34287	
	Γ	T		
	Peak 1-hour Vehicle-trips per Car			
Vehicle Trips	Space (note parking spaces estimated			
	based on aerials)	AM Peak		
		2 50	trips per car space	
		PM Peak	inpo por our opaco	
			trips per car space	
		Daily	trips per car space	
			trips per car space	
	Development Trip and union Francis or	17.40	liips pei cai space	
	Development Trips during Frontage		0.00.00.444	0.00.00.414
	Road Peaks	AM Peak	8:00:00 AM	9:00:00 AM
		13		4 00 00 514
		PM Peak	3:30:00 PM	4:30:00 PM
		20		
			,	
				note noulder
Other Vehicle	AM Peak 1-hour Vehicle-trips per Car	2.50	Tuin	note parking
Trip Rate Info	Space	2.50	Trips per car space	spaces estimated
·	·			based on aerials
		1		
	PM Peak 1-hour Vohiolo tring per Cor			
	PM Peak 1-hour Vehicle-trips per Car	2.80	Trips per car space	
	Space	1		
	Daily Vehicle-trips per Car Space	17.40	Trips per car space	
		17.40	' '	

Site 14 - Results Summary Sheet 120 Victoria Road, Drummoyne



,,	a prominiary analysis is: site, as per raise template			traffic engineering • transport plan	ning
Survey for:	Roads and Maritime Serivces NSW			Office Ref Only	
Survey Period Date and Time	Saturday	15th June 2019	8:00:00 AM	4:45:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?			
Α.					
Site Data	Activity Name	Rainbow Hand Car Wash & Café			
	Land Use Description	Car Wash & Café			
	Local Authority (Council)	Canada Bay			
	Street Address and Suburb	120 Victoria Road, Drummoyne			
	Survey Site General Location	Inner			
	Highest Classification of Frontage Road	Major Arterial	Victoria Road		
	Frontage Road ADT				
	Pedestrian Activity	Low			
	Public Transport Opportunities	Low			
	Approximate Café Seating Capacity	25			
В.					
Parking	Parking Spaces Provided On-Site	10			
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand	NA	m	ax occupied spaces	NA
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA NA	Peak F	Parking Demand/ Em	ployee
C.					
Trip Generation	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time		
Trip Generation				12:30:00 PM	1:30:00 PM
			In (vph)	15	Tota
			0.46		
			Out (vph)		
				15	30
		Daily	Time	8:00:00 AM	4:45:00 PM
		Buny	Time	0.00.0071111	1. 10.00 1 10
			Total In + Out (Vpd)		
				183	
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
		Daily Book Boried	5 0000	0.7070	0.270942009
		Daily Peak Period	5.0000 30.5000	2.7273 16.6364	0.379842998 0.2986
		Daily	30.5000	10.0304	0.2900
D.					
General Comments and					
Notes	Site Characteristics/Notes	Daily Mode Split			
		, ,			
	Alternate survey method used. No parking				
	surveys or customer questionaires. No survey				
	personell on-site, all survey done using cameras	Modal Split	Number	%	
		Total Private Vehicles	183	90.1%	
		Car (as driver)	0	0.0%	
		Car (as passenger)			
		Taxi			
		Total Alt Trans (PT and Active)	20	9.9%	
		On Foot	0	0.0%	
		Bus			
		Cycle	0	0.0%	
Jndertaken by (organisation):		Cycle TDC	Survey Contact	0.0% Fred Stone	
ndertaken by (organisation): ey Undertaken by (surveyor):		Cycle			

Cita Data	Number of Entry/Evite				
Site Data	Number of Entry/Exits	2			
	Nearby Businesses	Eurolife kitchens & wardrobes			
Area					
Characteristics	Surrounding land use	Retail & Residential			
	Nearby on-street parking regime	On-street parking is available			
Traffic Generation	Link Trips	Peak %	NA	of peak responses	NA
		Daily %	NA	of all responses	NA
	Frontage Road Peak Period	Time	1:45:00 PM	2:45:00 PM	
		Total	4659		
	Frontage Road Daily	Time	8:00 AM	12:00 AM	
		Total	36175		
	Development Peak - Frontage Road Traffic	Time	12:30 PM	1:30 PM	
		Total	4409		
				note parking	
Other Vehicle Trip	Peak 1-hour Vehicle-trips per Car Space	3.00	Trips per car space	spaces estimated	
Rate Info	Tour Trous territor inpo per our opuse	0.00	Tripo por car opaco	based on aerials	
				bassa sir asriais	
	Doily Vahiola tring per Car Space	10.20	Tring par our onces		
	Daily Vehicle-trips per Car Space	18.30	Trips per car space		

Development Trips during Frontage Road Peaks	Peak
	24

Site 14 - Results Summary Sheet 120 Victoria Road, Drummoyne



				traffic engineering - transport plan	ning
Survey for:	Roads and Maritime Serivces NSW			Office Ref Only	
				-	
Survey Period Date and Time	0	0	8:00:00 AM	4:45:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
Α.					
Site Data	Activity Name	Rainbow Hand Car Wash & Café			
	Land Use Description	Car Wash & Café			
	Local Authority (Council)	Canada Bay			
	Street Address and Suburb	120 Victoria Road, Drummoyne			
	Survey Site General Location	Inner	\". i B		
	Highest Classification of Frontage Road	Major Arterial	Victoria Road		
	Frontage Road ADT				
	Pedestrian Activity	Low			
	Public Transport Opportunities	Low			
	Approximate Café Seating Capacity	25			
B.	Deutsing Connect Provided On City	40			
Parking	Parking Spaces Provided On-Site	10	 		
	Other Parking Spaces (On-Street/Off-Site)	0	 		
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand	NA	ma	ax occupied spaces	NA
	D 1 D 1: 0		•		
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA	Peak P	arking Demand/ Em	nplovee
		NA		NA	
		1471		14/ (
C. Trip Generation	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time	2:00:00 PM	3:00:00 PM
			In (vph)	16	Tota
			Out (vph)		
			Cut (Vpii)	14	3
		Doily	Time	8:00:00 AM	4:45:00 PM
		Daily	Time	0.00.00 AIVI	4.45.00 FI
			Total In + Out (Vpd)		
			rotariir + Out (vpa)	201	
	Trip Rate Per 100m2 or other unit (state)				
			Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
	The realer of other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
	Trip reace real rooms of other drift (state)	Daily Peak Period			
	Trip reace real rooms of other drift (state)	Daily Peak Period	5.0000	2.7273	1.5464
	Trip reace i el 100m2 oi other driit (state)	Daily Peak Period Daily			
	Trip reace i et 100m2 of other drift (state)		5.0000	2.7273	1.5464
D.			5.0000	2.7273	1.5464
		Daily	5.0000	2.7273	1.5464
			5.0000	2.7273	1.5464
	Site Characteristics/Notes	Daily Daily Mode Split	5.0000	2.7273	1.5464
	Site Characteristics/Notes Alternate survey method used. No parking surveys	Daily Daily Mode Split	5.0000	2.7273	1.5464
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-	Daily Daily Mode Split	5.0000 33.5000	2.7273 18.2727	1.5464
	Site Characteristics/Notes Alternate survey method used. No parking surveys	Daily Daily Mode Split Modal Split	5.0000	2.7273 18.2727	1.5464
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-	Daily Daily Mode Split Modal Split Total Private Vehicles	5.0000 33.5000	2.7273 18.2727 % 85.5%	1.5464
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-	Daily Daily Mode Split Modal Split	5.0000 33.5000 Number	2.7273 18.2727	1.5464
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-	Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver)	5.0000 33.5000 Number 201	2.7273 18.2727 % 85.5%	1.5464
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-	Daily Daily Mode Split Modal Split Total Private Vehicles	5.0000 33.5000 Number 201	2.7273 18.2727 % 85.5%	
D. General Comments and Notes	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-	Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver)	5.0000 33.5000 Number 201	2.7273 18.2727 % 85.5%	1.5464
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger)	5.0000 33.5000 Number 201	2.7273 18.2727 % 85.5%	1.5464
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger)	5.0000 33.5000 Number 201 0	2.7273 18.2727 % 85.5% 0.0%	1.5464
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	5.0000 33.5000 Number 201 0	2.7273 18.2727 % 85.5% 0.0%	1.5464
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	5.0000 33.5000 Number 201 0	2.7273 18.2727 % 85.5% 0.0%	1.5464
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	5.0000 33.5000 Number 201 0	2.7273 18.2727 % 85.5% 0.0%	1.5464
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus Cycle	5.0000 33.5000 Number 201 0	2.7273 18.2727 % 85.5% 0.0%	1.5464
	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	5.0000 33.5000 Number 201 0	2.7273 18.2727 % 85.5% 0.0%	1.5464

Site Data	Number of Entry/Exits	2			
	Nearby Businesses	Eurolife kitchens & wardrobes			
		•			
Area					
Characteristics	Surrounding land use	Retail & Residential			
	Nearby on-street parking regime	On-street parking is available			
Traffic Generation	Link Trips	Peak %	NA	of peak responses	NA
		Daily %	NA	of all responses	NA
	Frontage Road Peak Period	Time	12:15:00 PM	1:15:00 PM	
		Total	4208		
	Frontage Road Daily	Time	8:00 AM	12:00 AM	
		Total	32292		
	Development Peak - Frontage Road Traffic	Time	2:00 PM	3:00 PM	
		Total	4167		
	T	T			
Other Vehicle Trip	Back 4 have Vahiala trina nan Can Canaa	2.00	T.:	note parking spaces	
Rate Info	Peak 1-hour Vehicle-trips per Car Space	3.00	Trips per car space	estimated based on	
		_		aerials	
	Daily Vehicle-trips per Car Space	20.10	Trips per car space		
	, , , , , , , , , , , , , , , , , , , ,		, - p		
	Dovolopment Trips during Frontage Pood		l		

Development Trips during Frontage Road	
Peaks	Peak
	27

Site 15 - Results Summary Sheet 750 Victoria Road, Ryde

Notes: Summary of survey results and preliminary analysis for site, as per RMS template.



Survey for:	Roads and Maritime Serivces NSW			Office Ref Only:	
Survey Period Date and Time	Friday	14th June 2019	8:00:00 AM	6:00:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
A.		Sudnou Car Wash Café			
Site Data	Activity Name	Sydney Car Wash Café			
	Land Use Description	Car Wash & Café			
	Local Authority (Council)	Ryde			
	Street Address and Suburb	750 Victoria Road, Ryde			
	Survey Site General Location	Suburbs			
		Major Arterial	Victoria Road		
	Frontage Road ADT	69737			
	Pedestrian Activity	Low			
	Public Transport Opportunities	Low			
	Approximate Café Seating Capacity		5		
B.	D // O D	_			
Parking	Parking Spaces Provided On-Site	3			
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Staff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand		ma	ax occupied spaces	
	Peak Parking Demand During Survey	Deals Deals and Deals and (400m) OFA	D	la Danisia a Dana an al/	01-#
		Peak Parking Demand/ 100m2 GFA	Pea	k Parking Demand/	Stair
			•		
C.					
Trip Generation	Site Surveyed Arrival / Departure Flow	AM Peak Period	Time		
The Generation				10:30:00 AM	11:30:00 AM
			In (vph)	6	Total
			Out (vph)		
				4	10
		PM Peak Period	Time	12:30:00 PM	1:30:00 PM
			In (vph)		
				9	Total
			Out (vph)	2	11
		Daily	Time	0.00.00 AM	0.00.00
	-	,	Total In + Out (Vpd)	8:00:00 AM 72	6:00:00
	D 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				- , , , , , , , , , , , , , , , , , , ,
	Peak trip Rate per 100m ² or other unit (state)	AM Dook Doried	Car Wash Bay		Frontage (per 100 ve
	-	AM Peak Period PM Peak Period	3.3333 3.6667	1.1050 1.2155	0.8 0.7
	1	Daily	24.0000	7.9558	
	1	l = any	24.0000	1.3330	0.7090
D					
D. General Comments and Notes					
	Site Characteristics/Notes	Daily Mode Split			
		Daily Mode Split			
	Alternate survey method used. No parking	Daily Mode Split			
	Alternate survey method used. No parking surveys or customer questionnaires. No survey				
	Alternate survey method used. No parking	Modal Split	Number	%	
	Alternate survey method used. No parking surveys or customer questionnaires. No survey		Number 72	% 62.1%	
	Alternate survey method used. No parking surveys or customer questionnaires. No survey	Modal Split			
	Alternate survey method used. No parking surveys or customer questionnaires. No survey personnel on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver)	72	62.1% 62.1%	Not surveved
	Alternate survey method used. No parking surveys or customer questionnaires. No survey personnel on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger)	72	62.1% 62.1%	Not surveyed
	Alternate survey method used. No parking surveys or customer questionnaires. No survey personnel on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi	72 72	62.1% 62.1%	Not surveyed Not surveyed
D. General Comments and Notes	Alternate survey method used. No parking surveys or customer questionnaires. No survey personnel on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	72 72 44	62.1% 62.1% 37.9%	
	Alternate survey method used. No parking surveys or customer questionnaires. No survey personnel on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi	72 72	62.1% 62.1% 37.9% 37.9%	Not surveyed
	Alternate survey method used. No parking surveys or customer questionnaires. No survey personnel on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	72 72 44	62.1% 62.1% 37.9% 37.9%	
	Alternate survey method used. No parking surveys or customer questionnaires. No survey personnel on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	72 72 44	62.1% 62.1% 37.9% 37.9%	Not surveyed
	Alternate survey method used. No parking surveys or customer questionnaires. No survey personnel on-site, all survey done using cameras	Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	72 72 44 44 0	62.1% 62.1% 37.9% 37.9%	Not surveyed

Site Data	Number of Entry/Exits	2		
	Nearby Businesses	NA		
Area				
Characteristics	Surrounding land use	Residential		
	Nearby on-street parking regime	No on-street parking available		
	Principal Adjacent road - Peak Period			
	(Weekday)	AM	08:00 AM - 09:00 AM	
	, , , , , , , , , , , , , , , , , , , ,	PM	04:00 PM - 05:00 PM	
			0.100 1 111 00.00 1 111	
Traffic	5 (5 (445 (5))			
Generation	Frontage Road AM Peak Period	Time	8:00:00 AM	9:00:00 AM
		Total	3550	
	Frontage Road PM Peak Period	Time	4:00:00 PM	5:00:00 PM
		Total	3729	
	Frontage Road Daily	Time	8:00:00 AM	6:00:00 F
		Total	30530	
	Peak 1-hour Vehicle-trips per Car			
Vehicle Trips	Space (note parking spaces estimated			
	based on aerials)	AM Peak		
		3.33	trips per car space	
		PM Peak		
		3.67	trips per car space	
		Daily		
		24.00	trips per car space	
	Development Trips during Frontage			
	Road Peaks	AM Peak	8:00:00 AM	9:00:00 A
		6		
		PM Peak	4:00:00 PM	5:00:00 F
		5		
	_	_		
				note parking
Other Vehicle	AM Peak 1-hour Vehicle-trips per Car	3.33	Trips per car space	spaces estimate
Trip Rate Info	Space	0.55	Tripo por car opaco	based on aerials
		_		2000 on donar
	PM Peak 1-hour Vehicle-trips per Car	3.67	Trips per car space	
	Space	3.57	The per car space	
	Daily Vehicle-trips per Car Space	24.00	Trips per car space	
	. ,	74.00		

Site 15 - Results Summary Sheet 750 Victoria Road, Ryde

Notes: Summary of survey results and preliminary analysis for site, as per RMS template.



Survey Fort Assacs and Journal Sources Assacs Ass					traffic engineering • transport plan	
Survey Period Date and Saluristy 1501-June 2018 60200 AM 60500 PM	Survey for:	Roads and Maritime Serivces NSW			Office Ref Only	
Read Read					,	
Action A		Saturday	15th June 2019	8:00:00 AM	6:00:00 PM	
Site Date		Extended Data Collection? NO	Includes Manual Survey?	No		
Total Authority (Council) Royde						
Series Autoreas and Solution Total Active Series Autoreas and Solution Series Autoreas Series Autoreas Series Autoreas Series Autoreas Series Serie		Land Use Description	Car Wash & Café			
Series Autoreas and Solution Total Active Series Autoreas and Solution Series Autoreas Series Autoreas Series Autoreas Series Autoreas Series Serie		Local Authority (Council)	Ryde			
Parking Parking Parking Derevand Contrage Road Parking Derevand Contrage Road Parking Parking Parking Parking Derevand Contrage Road Parking Contrage Road P						
Park Park						
Potentiary Activity Protection Protect				\". \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
Peckerham Activity				Victoria Road		
Auto: Transport Operativates Low						
Residence Resi			Low			
Residence Resi		Public Transport Opportunities	Low			
Parking Parking Spaces Provided On-Site 3 1 1 1 1 1 1 1 1 1						
Parking Spaces (Shore) (Sh						
Other Parking Spaces (On-Street/OR-Site) 0 0 0 0 0 0 0 0 0						
Other Parking Spaces (On-Street/OR-Site) 0	Parking	Parking Spaces Provided On-Site	3			
Salf Parking On-Size			0			
Care Comment and Nation Care Comment and Nation Care			0			
Peak Parking Demand			0			
Peak Parking Demand During Survey		Curer carring (cri curer cri crie)	, , , , , , , , , , , , , , , , , , ,			
Peak Parking Demand During Survey						
C. Trip Generation Site Surveyed Arrival / Departure Flow Delity Peak Period Time 10.00.00 AM 11.00.00 AM 11.00.00 AM 10.00.00 AM 11.00.00 AM 10.00.00 AM 11.00.00 AM 10.00.00 AM 11.00.00		Peak Parking Demand	NA NA	m	ax occupied spaces	NA
C. Trip Generation Site Surveyed Arrival / Departure Flow Delity Peak Period Time 10.00.00 AM 11.00.00 AM 11.00.00 AM 10.00.00 AM 11.00.00 AM 10.00.00 AM 11.00.00 AM 10.00.00 AM 11.00.00		Pools Porking Domand During Survey				
NA		Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA	Peak F	arking Demand/ Em	ployee
C. Trip Generation Site Surveyed Arrival / Departure Flow Daily Pask Period Timo 10.00.00 AM 11:00:00 AM 11:00:00 AM 10 10 10 10 10 10 10 1						• •
Trip Generation Site Surveyed Arrival / Departure Flow						
Trip Generation Site Surveyed Arrival / Departure Flow						
10.00:00 AM	C.	Cita Companyad Amrical / Danagtona Flavo	Daily Book Boried	Time		
Daily Daily Total Tota	Trip Generation	Site Surveyed Arrival / Departure Flow	Dally Peak Period	Time	40.00.00.414	44.00.00.414
Daily Time 8:00:00 AM 6:00:00 PM						
Daily				In (vph)	10	Total
Daily						
Daily						
Daily Time 8:00:00 AM 6:00:00 PM				Out (vph)		
Daily Time 8:00:00 AM 6:00:00 PM						
Total In + Out (Vpd)						
Trip Rate Per 100m2 or other unit (state)			Daily	Time	8:00:00 AM	6:00:00 PM
Trip Rate Per 100m2 or other unit (state)						
Trip Rate Per 100m2 or other unit (state)				Total In + Out (Vpd)	440	
Daily Peak Period 6,0000 1,9890 1,1414 Daily 37,6667 12,4862 0,7145 Daily 37,6667 12,4862 0,7145 Daily 37,6667 12,4862 0,7145 Daily 37,6667 12,4862 0,7145 Daily Mode Split				0 14/ / 5		5 ((00 ()
Daily 37.6667 12.4862 0.7145		Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 ven)
Daily 37.6667 12.4862 0.7145				0.000	4 0000	
General Comments and Notes Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras Model Split Number **Total Private Vehicles** 113 94.2% Car (as driver) Car (as passenger) **Taxi **Total Alt Trans (PT and Active) On Foot 0 0.0% Bus Cycle 0 0 0.0% Undertaken by (organisation): Ted Survey Contact Fred Stone						
Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras Antal Private Vehicles Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot On Foot On Foot Output Cycle On O.0% Undertaken by (organisation): Tite Daily Mode Split Number % Number % Total Number % Total Private Vehicles 113 94.2% Car (as driver) On O.0% Car (as passenger) Total Alt Trans (PT and Active) Total Alt Trans (PT and Active) Total Alt Trans (PT and Active) Total Private Vehicles 113 94.2% Car (as driver) On O.0% Double Daily Mode Split Number % Total Private Vehicles 113 94.2% Car (as driver) On O.0% Double Daily Mode Split Number % Total Private Vehicles 113 94.2% Car (as driver) On O.0% Double Daily Mode Split Number % Total Alt Trans (PT and Active) Total Alt Tra			Daily	37.6667	12.4862	0.7145
Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras Andread Split Number **Total Private Vehicles** Car (as driver) Car (as passenger) **Taxi **Total Alt Trans (PT and Active) On Foot On Foot On Foot Output Cycle On 0.0% Undertaken by (organisation): **Total Number** **Nodal Split Number **Nodal Split Number **Nodal Split Number **Nodal Split Number **Total Private Vehicles 113 94.2% Car (as driver) On 0.0% Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot On 0.0% Survey Contact Fred Stone						
Notes Site Characteristics/Notes Daily Mode Split Site Characteristics/Notes						
Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-site, all survey done using cameras **Modal Split** **Number** **Total Private Vehicles** **Car (as driver)** **Car (as passenger)** **Total Alt Trans (PT and Active)** **Total Alt Trans (PT and Active)** **Total Alt Trans (PT and Active)** **Total Active)** **Total Alt Trans (PT and Active)** **Total Alt Trans (PT and Active)** **Total Active)** **Total Alt Trans (PT and Active)** **Total Active)** **Total Alt Trans (PT and Active)** **Total Active						
Surveys or customer questionaires. No survey personell on-site, all survey done using cameras Modal Split Number %	Notes	Site Characteristics/Notes	Daily Mode Split			
Surveys or customer questionaires. No survey personell on-site, all survey done using cameras Modal Split Number %		Allement				
Personell on-site, all survey done using cameras Modal Split Number %						
Total Private Vehicles						
Total Private Vehicles		personell on-site, all survey done using cameras	Modal Split	Number	%	
Car (as driver)			Wodar Opin			
Taxi Total Alt Trans (PT and Active) 7 5.8% On Foot 0 0.0% Bus Cycle 0 0.0% Undertaken by (organisation): TDC Survey Contact Fred Stone						
Taxi				U	0.0%	
Total Alt Trans (PT and Active) 7 5.8%			Car (as passenger)			
Total Alt Trans (PT and Active) 7 5.8%						
Total Alt Trans (PT and Active) 7 5.8%			Taxi			
On Foot 0 0.0% Bus Cycle 0 0.0% Undertaken by (organisation): TDC Survey Contact Fred Stone				7	5 8%	
Bus 0 0.0% Cycle 0 0.0% Undertaken by (organisation): TDC Survey Contact Fred Stone				· ·		
Cycle00.0%Undertaken by (organisation):TDCSurvey ContactFred Stone				U	0.0%	
Undertaken by (organisation): TDC Survey Contact Fred Stone				_	.	
vey Undertaken by (surveyor): Fred Stone fred@trafficdc.com.au					Fred Stone	
	vey Undertaken by (surveyor):		Fred Stone	fred@trafficdc.com.au		

		_		1	
Site Data	Number of Entry/Exits	2			
	Nearby Businesses	NA			
		_			
Area					
Characteristics	Surrounding land use	Residential			
	Nearby on-street parking regime	No on-street parking available			
		-			
Traffic Generation	Link Trips	Peak %	NA	of peak responses	NA
	·	Daily %	NA	of all responses	NA
	Frontage Road Peak Period	Time	4:15:00 PM	5:15:00 PM	
		Total	3365		
	Frontage Road Daily	Time	8:00 AM	12:00 AM	
		Total	31251		
	Development Peak - Frontage Road Traffic	Time	10:00 AM	11:00 AM	
		Total	2976		
				note parking	
Other Vehicle Trip	Peak 1-hour Vehicle-trips per Car Space	6.00	Trips per car space	spaces estimated	
Rate Info	Tour Thou Tollion alips per our opass	0.00	Tripo por our opuco	based on aerials	
	Daily Vehicle-trips per Car Space	37.67	Trips per car space	1	
	,	1	, , , , , , , , , , , , , , , , , , , ,		

Development Trips during Frontage Road Peaks
Peak

Site 15 - Results Summary Sheet 750 Victoria Road, Ryde

Notes: Summary of survey results and preliminary analysis for site, as per RMS template.



				traffic engineering • transport plan	
Survey for:	Roads and Maritime Serivces NSW			Office Ref Only	
				-	
Survey Period Date and Time	Sunday	16th June 2019	8:00:00 AM	6:00:00 PM	
	Extended Data Collection? NO	Includes Manual Survey?	No		
	Zacinada Bata delicetioni III	includes Maridal Garvey:	140		
•					
A.					
		Sydney Car Wash Café			
	•	Car Wash & Café			
		Ryde			
	Street Address and Suburb	750 Victoria Road, Ryde			
	Survey Site General Location	Suburbs			
	Highest Classification of Frontage Road	Major Arterial	Victoria Road		
	Frontage Road ADT	69737			
		Low			
		Low			
	Approximate Café Seating Capacity	6			
	pp comments of the property				
	<u>'</u>				
			-		
B.		_			
Parking	Parking Spaces Provided On-Site	3			
	Other Parking Spaces (On-Street/Off-Site)	0			
	Staff Parking On-Site	0			
	Other Saff Parking (On-Street/Off-Site)	0			
	Peak Parking Demand	NA	ma	ax occupied spaces	NA
	Pook Parking Domand During Survey				
	Peak Parking Demand During Survey	Peak Parking Demand/ 100m2 GFA	Peak P	arking Demand/ Em	nployee
		NA		NA	
_					
C.	Site Surveyed Arrival / Departure Flow	Daily Peak Period	Time		
Trip Generation	One curveyed Annivary Departure Flow	Dany Foak Forea	1	3:15:00 PM	4:15:00 PM
			In (vph)	6	Tota
			iii (vpii)	<u> </u>	1010
			Out (vph)		
			Out (vph)	6	1:
		Doile	Time	8:00:00 AM	
		Daily	Time	6.00.00 AIVI	6:00:00 PM
			Total In + Out (Vpd)		
			rotar iir i Gat (vpa)	41	
				41	
	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay		Frontage (per 100 veh)
l de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	Trip Rate Per 100m2 or other unit (state)		Car Wash Bay	100m2 Site Area	Frontage (per 100 veh)
		Daily Peak Period	Car Wash Bay 4.0000		Frontage (per 100 veh) 0.8837
		Daily Peak Period Daily		100m2 Site Area	
		•	4.0000	100m2 Site Area 1.3260	0.8837
		•	4.0000	100m2 Site Area 1.3260	0.8837
		•	4.0000	100m2 Site Area 1.3260	0.8837
D.		•	4.0000	100m2 Site Area 1.3260	0.8837
General Comments and Notes		Daily	4.0000	100m2 Site Area 1.3260	0.8837
General Comments and Notes		•	4.0000	100m2 Site Area 1.3260	0.8837
General Comments and Notes	Site Characteristics/Notes	Daily	4.0000	100m2 Site Area 1.3260	0.8837
General Comments and Notes	Site Characteristics/Notes Alternate survey method used. No parking surveys	Daily	4.0000	100m2 Site Area 1.3260	0.8837
General Comments and Notes	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell on-	Daily Daily Mode Split	4.0000 13.6667	1.3260 4.5304	0.8837
General Comments and Notes	Site Characteristics/Notes Alternate survey method used. No parking surveys	Daily Daily Mode Split Modal Split	4.0000 13.6667 Number	1.3260 4.5304	0.8837
General Comments and Notes	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Daily Daily Mode Split Modal Split Total Private Vehicles	4.0000 13.6667 Number 41	1.3260 4.5304 % 91.1%	0.8837
General Comments and Notes	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver)	4.0000 13.6667 Number	1.3260 4.5304	0.8837
General Comments and Notes	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Daily Daily Mode Split Modal Split Total Private Vehicles	4.0000 13.6667 Number 41	1.3260 4.5304 % 91.1%	0.8837
General Comments and Notes	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver)	4.0000 13.6667 Number 41	1.3260 4.5304 % 91.1%	0.8837
General Comments and Notes	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver)	4.0000 13.6667 Number 41	1.3260 4.5304 % 91.1%	0.8837
General Comments and Notes	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver)	4.0000 13.6667 Number 41	1.3260 4.5304 % 91.1%	0.8837
General Comments and Notes	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Daily Daily Mode Split Modal Split Total Private Vehicles Car (as driver)	4.0000 13.6667 Number 41	1.3260 4.5304 % 91.1%	0.8837
General Comments and Notes	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger)	4.0000 13.6667 Number 41	1.3260 4.5304 % 91.1%	0.8837
General Comments and Notes	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active)	4.0000 13.6667 Number 41 0	1.3260 4.5304 % 91.1% 0.0%	0.8837
General Comments and Notes	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	4.0000 13.6667 Number 41 0	1.3260 4.5304 % 91.1% 0.0%	0.8837
General Comments and Notes	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot Bus	4.0000 13.6667 Number 41 0	1.3260 4.5304 % 91.1% 0.0% 8.9% 8.9%	0.8837
General Comments and Notes	Site Characteristics/Notes Alternate survey method used. No parking surveys or customer questionaires. No survey personell onsite, all survey done using cameras	Daily Mode Split Modal Split Total Private Vehicles Car (as driver) Car (as passenger) Taxi Total Alt Trans (PT and Active) On Foot	4.0000 13.6667 Number 41 0	1.3260 4.5304 % 91.1% 0.0%	

Site Data	Number of Entry/Exits	2			
	Nearby Businesses	NA			
Area					
Characteristics	Surrounding land use	Residential			
	Nearby on-street parking regime	No on-street parking available			
Traffic Generation	Link Trips	Peak %	NA	of peak responses	N
		Daily %	NA	of all responses	N
	Frontage Road Peak Period	Time	12:00:00 PM	1:00:00 PM	
		Total	2783		
	Frontage Road Daily	Time	8:00 AM	12:00 AM	
		Total	23869		
	Development Peak - Frontage Road Traffic	Time	3:15 PM	4:15 PM	
		Total	2572		
			ı	1	
Other Vehicle Trip				note parking spaces	
Rate Info	Peak 1-hour Vehicle-trips per Car Space	4.00	Trips per car space	estimated based on	
Trate iiiio				aerials	
	Daily Vehicle-trips per Car Space	13.67	Trips per car space		

Development Trips during Frontage Road
Peaks
Peak
Peak
5

Appendix B: TDC Survey Data Results



Car Wash Cafe Site Information	
Site Location	Blue Flame Café & Car Wash, Muswellbrook
Building Area m ²	1800
Year Opened	Unknown
Opening Times	6:00am - 7:00pm
Type of Car Wash (Auto/Manual/Self/Etc	Manual
Number of Employees per shift	Unknown
Surrounding Land Use	Service Station
Proximity to Public Transport	No
Survey Date	29th - 31st March 2019
Survey Period	6:00am - 7:00pm
Number of Pedestrian Access Points	Unknown
Number of Vehicle Entry/Exit Points	5
Number of On-Site Parking Bays (Including bicycle parking)	Approximately 10
Number of Loading bays	Unknown
Number of Car Wash Bays	Approximately 4
Number of Hybrid/Electric Bays	Unknown
Number of Disabled Bays	Unknown
Number of Bicycle Parking Bays	Unknown
Number of Staff Parking Bays	Unknown
Traffic Surveyor Comments (eg. Local issues?, Roadworks?, Closed Areas?, Disability Acess?, etc)	Busiest period for the Café is before 6am (miners getting breakfast). Café is connected to service station. Staff work in the car wash and Café if car wash is quiet.



15 minute	<u> </u>	29th Marc	Occupant	Exiting	Dod-	Diavala
Period		Cars	s	Vehicle	Peds	Bicycles
Start	End					
6:00	6:15	12	16	11	1	0
6:15	6:30	11	15	9	0	0
6:30	6:45	12	16	12	3	0
6:45	7:00	8	8	10	0	0
7:00	7:15	3	3	10	2	1
7:15	7:30	8	10	5	0	0
7:30	7:45	8	10	12	0	0
7:45	8:00	7	9	10	1	0
8:00	8:15	6	6	15	0	0
8:15	8:30	3	3	1	1	0
8:30	8:45	2	2	6	1	0
8:45	9:00	5	5	7	0	0
9:00	9:15	4	5	4	1	1
9:15	9:30	3	4	10	1	0
9:30	9:45	8	11	10	2	0
		1	2	3	2	0
9:45	10:00	4		7	3	
10:00	10:15		9			0
10:15	10:30	5	6	6	4	1
10:30	10:45	6	9	4	0	0
10:45	11:00	2	2	8	1	0
11:00	11:15	4	7	5	1	0
11:15	11:30	1	1	1	1	0
11:30	11:45	4	4	5	3	0
11:45	12:00	4	6	10	4	0
12:00	12:15	9	12	11	2	0
12:15	12:30	3	3	10	2	0
12:30	12:45	2	3	8	3	0
12:45	13:00	0	0	3	0	0
13:00	13:15	1	1	5	0	0
13:15	13:30	4	10	2	0	0
13:30	13:45	2	3	4	1	0
13:45	14:00	3	4	5	1	0
14:00	14:15	5	8	5	1	1
14:15	14:30	2	2	3	1	0
14:30	14:45	4	5	4	0	0
14:45	15:00	1	1	5	0	0
15:00	15:15	3	4	4	1	0
15:15	15:30	3	3	4	0	0
15:30	15:45	1	1	1	2	0
15:45	16:00	3	4	4	0	0
16:00	16:15	3	5	4	0	0
16:15	16:30	2	2	7	1	0
16:30	16:45	0	0	1	1	1
16:45	17:00	2	2	3	0	0
	17:15	4	6	6	0	0
17:00			5			
17:15	17:30	3		3	0	0
17:30	17:45	5	7	13	0	1
17:45	18:00	1	1	2	0	0
18:00	18:15	2	2	4	0	0
18:15	18:30	0	0	4	0	0
18:30	18:45	0	0	4	0	0
18:45	19:00	0	0	5	0	0
13 Hr Total		199	263	315	48	6

	Saturda	y 30th Mar	ch 2019			
15		Cars	Occupant	Exiting	Peds	Bicycles
minut		Cars	s	Vehicle	1 cus	Dicycles
Start	End					
6:00	6:15	7	10	7	0	0
6:15	6:30	6	9	2	0	0
6:30	6:45	2	2	5	0	0
6:45	7:00	0	0	1	0	0
7:00	7:15	5	5	2	0	0
7:15	7:30	4	4	2	0	0
7:30	7:45	4	4	7	0	0
7:45	8:00	8	10	5	0	0
8:00	8:15	6	9	3	0	1
8:15	8:30	2	4	4	0	0
8:30	8:45	1	1	3	0	0
8:45	9:00	3	4	7	0	0
9:00	9:15	4	5	4	1	0
9:15	9:30	6	12	5	0	0
9:30	9:45	4	8	9	1	0
9:45	10:00	4	4	5	1	0
10:00	10:15	3	7	4	0	0
10:15	10:30	1	2	1	2	0
10:30	10:45	3	4	3	1	0
10:45	11:00	3	5	6	1	0
11:00	11:15	2	3	10	2	0
11:15	11:30	2	2	3	1	0
11:30	11:45	2	4	6	0	0
11:45	12:00	4	7	6	0	0
12:00	12:15	1	2	3	2	0
12:15	12:30	4	6	6	0	0
12:30	12:45	2	3	4	1	0
12:45	13:00	1	1	3	1	0
13:00	13:15	4	5	3	0	0
13:15	13:30	1	5	2	3	0
13:30	13:45	3	5	3	0	0
13:45	14:00	3	5	5	0	0
14:00	14:15	4	5	3	0	0
14:15	14:30	2	2	3	0	0
14:30	14:45	0	0	4	0	1
14:45	15:00	0	0	5	0	0
15:00	15:15	1	1	2	1	0
		0	0	0	1	0
15:15	15:30	4	4	4	1	0
15:30	15:45			1		
15:45	16:00	3	0	4	3	0
16:00	16:15		6		4	0
16:15	16:30	1	2	2	0	0
16:30	16:45	0	0	2	0	0
16:45	17:00	1	1	2	0	0
17:00	17:15	2	2	3	1	0
17:15	17:30	0	0	1	0	0
17:30	17:45	2	2	3	0	0
17:45	18:00	5	5	6	0	0
18:00	18:15	0	0	1	0	0
18:15	18:30	4	4	7	0	0
18:30	18:45	0	0	1	0	0
18:45	19:00	0	0	4	0	0
1 <u>3 Hr Tot</u>	al	134	191	197	28	2

	Sunday	31st Mar	ch 2019			
15		Cars	Occupant	Exiting	Peds	Bicycles
minute		Cais	s	Vehicle	reus	Dicycles
Start	End					
6:00	6:15	8	9	4	0	0
6:15	6:30	2	2	4	0	0
6:30	6:45	6	7	5	0	0
6:45	7:00	3	3	3	0	0
7:00	7:15	2	5	2	0	0
7:15	7:30	3	4	3	1	0
7:30	7:45	0	0	1	0	0
7:45	8:00	2	3	2	0	0
8:00	8:15	7	9	4	0	0
8:15	8:30	4	4	3	0	0
8:30	8:45	0	0	2	0	0
8:45	9:00	0	0	2	1	0
9:00	9:15	5	6	5	0	0
9:15	9:30	4	5	5	0	0
9:30	9:45	3	4	3	0	0
9:45	10:00	5	6	10	1	0
10:00	10:15	5	5	2	0	0
10:15	10:30	2	3	2	0	0
10:30	10:45	5	12	2	0	0
10:45	11:00	8	10	7	1	0
11:00	11:15	5	7	7	0	0
11:15	11:30	4	4	4	0	0
		4	5	2	0	0
11:30	11:45	0	0	1	0	0
11:45	12:00	4	5	2	0	0
12:00	12:15	3	9	5	4	
12:15	12:30		7			0
12:30	12:45	4		4	1	0
12:45	13:00	1	1	1	1	0
13:00	13:15	1	1	2	0	0
13:15	13:30	3	3	4	0	0
13:30	13:45	0	0	1	2	0
13:45	14:00	1	1	0	0	0
14:00	14:15	1	1	2	1	0
14:15	14:30	1	2	4	0	0
14:30	14:45	3	3	3	0	0
14:45	15:00	1	1	4	0	0
15:00	15:15	0	0	3	0	0
15:15	15:30	4	6	5	1	0
15:30	15:45	1	3	7	1	0
15:45	16:00	1	2	2	0	0
16:00	16:15	3	6	4	0	1
16:15	16:30	2	6	3	0	0
16:30	16:45	0	0	0	0	0
16:45	17:00	3	3	4	1	0
17:00	17:15	0	0	2	0	0
17:15	17:30	0	0	1	1	0
17:30	17:45	5	6	3	0	0
17:45	18:00	3	4	5	0	0
18:00	18:15	7	7	9	0	0
18:15	18:30	5	6	13	0	0
18:30	18:45	1	1	0	0	0
18:45	19:00	0	0	5	0	0
13 Hr Tota		145	197	183	17	1
-01111010		170	107	100	<u>'''</u>	<u>'</u>

Site Location	Muswellbrook
Survey Date	29th - 31st March 2019
Survey Period	6:00am - 7:00pm
Main Traffic Flow	Maitland Street (New England Highway)
AM Peak Period	11:00am to
PM Peak Period	
I W I Cak I Cliod	12:00pm to 1:00pm



	A Deal Deals	10:45am
AI	M Peak Period	to
PI	M Peak Period	12:00pm to 1:00pm

AM Deal Deals	11:00a
AM Peak Period	m to
PM Peak Period	2:00pm to 3:00pm

15 min		/ 29th March d		Northbound		Hourly	Satu
Period		Eastbound		Westbound		Total	
Start	End	Cars	Trucks	Cars	Trucks		
6:00 AM	6:15 AM	61	13	55	9		
6:15 AM	6:30 AM	68	11	50	10		
6:30 AM	6:45 AM	74	13	75	13		
6:45 AM	7:00 AM	42	12	54	13	573	
7:00 AM	7:15 AM	36	8	57	13	549	
7:15 AM	7:30 AM	63	10	71	18	572	
7:30 AM	7:45 AM	61	4	86	14	562	
7:45 AM	8:00 AM	80	6	79	10	616	
8:00 AM	8:15 AM	49	12	101	11	675	
8:15 AM	8:30 AM	74	8	91	10	696	
8:30 AM	8:45 AM	72	11	92	17	723	
8:45 AM	9:00 AM	100	12	118	13	791	
9:00 AM	9:15 AM	96	10	70	9	803	
9:15 AM	9:30 AM	110	17	119	9	875	
9:15 AM 9:30 AM	9:30 AM 9:45 AM	114	11	128	15	951	
9:45 AM	10:00 AM	108	6	131	10	963	
10:00 AM	10:00 AM	97	14	103	9	1001	
10:15 AM	10:15 AM	125	9	129	12	1001	
10:15 AM	10:30 AM 10:45 AM	125	9	143	13	1042	
10:30 AM	11:00 AM	124	14	132	18	1071	
		145	13	119	18		
11:00 AM	11:15 AM					1143	
11:15 AM 11:30 AM	11:30 AM 11:45 AM	146 134	15 16	139 188	8 10	1176 1235	
1:00 PM	1:15 PM	120	17	137	11	1270	
1:00 PM 1:15 PM	1:15 PM 1:30 PM	120 133	17 16	137 129	11 3	1270 1172	
1:15 PM	1:30 PM	133	16	129	3	1172	
1:15 PM 1:30 PM	1:30 PM 1:45 PM	133 108	16 9	129 124	3 7	1172 1094	
1:15 PM 1:30 PM 1:45 PM	1:30 PM 1:45 PM 2:00 PM	133 108 113	16 9 10	129 124 116	3 7 9	1172 1094 1062	
1:15 PM 1:30 PM 1:45 PM 2:00 PM	1:30 PM 1:45 PM 2:00 PM 2:15 PM	133 108 113 127	16 9 10 12	129 124 116 111	3 7 9 5	1172 1094 1062 1032	
1:15 PM 1:30 PM 1:45 PM 2:00 PM 2:15 PM	1:30 PM 1:45 PM 2:00 PM 2:15 PM 2:30 PM	133 108 113 127 125	16 9 10 12 15	129 124 116 111 106	3 7 9 5 7	1172 1094 1062 1032 1004	
1:15 PM 1:30 PM 1:45 PM 2:00 PM 2:15 PM 2:30 PM	1:30 PM 1:45 PM 2:00 PM 2:15 PM 2:30 PM 2:45 PM	133 108 113 127 125 137	16 9 10 12 15 7	129 124 116 111 106 102	3 7 9 5 7	1172 1094 1062 1032 1004 1009	
1:15 PM 1:30 PM 1:45 PM 2:00 PM 2:15 PM 2:30 PM 2:45 PM	1:30 PM 1:45 PM 2:00 PM 2:15 PM 2:30 PM 2:45 PM 3:00 PM	133 108 113 127 125 137 139	16 9 10 12 15 7 6	129 124 116 111 106 102 119	3 7 9 5 7 7	1172 1094 1062 1032 1004 1009 1038	
1:15 PM 1:30 PM 1:45 PM 2:00 PM 2:15 PM 2:30 PM 2:45 PM 3:00 PM	1:30 PM 1:45 PM 2:00 PM 2:15 PM 2:30 PM 2:45 PM 3:00 PM 3:15 PM	133 108 113 127 125 137 139 88	16 9 10 12 15 7 6	129 124 116 111 106 102 119 123	3 7 9 5 7 7 13	1172 1094 1062 1032 1004 1009 1038 1022	
1:15 PM 1:30 PM 1:45 PM 2:00 PM 2:15 PM 2:30 PM 2:45 PM 3:00 PM 3:15 PM	1:30 PM 1:45 PM 2:00 PM 2:15 PM 2:30 PM 2:45 PM 3:00 PM 3:15 PM 3:30 PM	133 108 113 127 125 137 139 88 117	16 9 10 12 15 7 6 18	129 124 116 111 106 102 119 123 99	3 7 9 5 7 7 13 10	1172 1094 1062 1032 1004 1009 1038 1022 1006	
1:15 PM 1:30 PM 1:45 PM 2:00 PM 2:15 PM 2:30 PM 2:45 PM 3:00 PM 3:15 PM 3:30 PM	1:30 PM 1:45 PM 2:00 PM 2:15 PM 2:30 PM 2:45 PM 3:00 PM 3:15 PM 3:30 PM 3:30 PM	133 108 113 127 125 137 139 88 117	16 9 10 12 15 7 6 18 10	129 124 116 111 106 102 119 123 99 116	3 7 9 5 7 7 13 10 11	1172 1094 1062 1032 1004 1009 1038 1022 1006 1023	
1:15 PM 1:30 PM 1:45 PM 2:00 PM 2:15 PM 2:30 PM 2:45 PM 3:00 PM 3:15 PM 3:30 PM 3:30 PM	1:30 PM 1:45 PM 2:00 PM 2:15 PM 2:30 PM 2:45 PM 3:00 PM 3:15 PM 3:30 PM 3:45 PM 4:00 PM	133 108 113 127 125 137 139 88 117 137	16 9 10 12 15 7 6 18 10 10	129 124 116 111 106 102 119 123 99 116 112	3 7 9 5 7 7 13 10 11 7	1172 1094 1062 1032 1004 1009 1038 1022 1006 1023 1007	
1:15 PM 1:30 PM 1:45 PM 2:00 PM 2:15 PM 2:30 PM 2:45 PM 3:00 PM 3:15 PM 3:30 PM 3:30 PM 4:00 PM	1:30 PM 1:45 PM 2:00 PM 2:15 PM 2:30 PM 2:45 PM 3:00 PM 3:15 PM 3:30 PM 3:45 PM 4:00 PM 4:15 PM	133 108 113 127 125 137 139 88 117 137 133 108	16 9 10 12 15 7 6 18 10 10 7	129 124 116 111 106 102 119 123 99 116 112 119	3 7 9 5 7 7 13 10 11 7 9	1172 1094 1062 1032 1004 1009 1038 1022 1006 1023 1007 1014	
1:15 PM 1:30 PM 1:45 PM 2:00 PM 2:15 PM 2:30 PM 2:45 PM 3:00 PM 3:15 PM 3:30 PM 3:30 PM 4:00 PM 4:15 PM	1:30 PM 1:45 PM 2:00 PM 2:15 PM 2:30 PM 2:45 PM 3:00 PM 3:15 PM 3:30 PM 3:45 PM 4:00 PM 4:15 PM 4:30 PM	133 108 113 127 125 137 139 88 117 137 133 108	16 9 10 12 15 7 6 18 10 10 7 14	129 124 116 111 106 102 119 123 99 116 112 119 125	3 7 9 5 7 7 13 10 11 7 9 5	1172 1094 1062 1032 1004 1009 1038 1022 1006 1023 1007 1014 1034	
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13 Hr Total

y 30th Mar	ch 2019						Su
15 min Period		Southbound Eastbound		Northbound Westbound		Hourly Total	
Start	End	Cars	Trucks	Cars	Trucks		1
6:00 AM	6:15 AM	37	2	19	2		-
6:15 AM	6:30 AM	30	3	24	3		-
6:30 AM	6:45 AM	34	1	26	2		-
6:45 AM	7:00 AM	31	2	29	2	247	-
7:00 AM	7:15 AM	45	6	28	4	270	-
7:15 AM	7:30 AM	40	6	33	0	289	-
7:30 AM	7:45 AM	43	2	38	1	310	-
7:45 AM	8:00 AM	47	4	41	4	342	
8:00 AM	8:15 AM	45	2	47	1	354	-
8:15 AM	8:30 AM	62	4	62	3	406	-
8:30 AM	8:45 AM	80	1	66	1	470	-
	9:00 AM	65	2	86	1	528	-
8:45 AM							
9:00 AM	9:15 AM	75 06	5	71	8	592	-
9:15 AM	9:30 AM	96	2	73	8	640	+
9:30 AM	9:45 AM	105	5	85	4	691	-
9:45 AM	10:00 AM	90	6	106	4	743	-
10:00 AM			2	91	3	798	4
10:15 AM			7	116	2	879	4
10:30 AM			3	107	5	897	4
10:45 AM			8	102	4	911	4
11:00 AM		121	3	110	4	935	4
11:15 AM		105	3	131	4	918	
11:30 AM			5	122	4	953	
11:45 AM			3	91	7	949	
12:00 PM		132	2	102	3	950	
12:15 PM	12:30 PM	113	5	100	5	930	
12:30 PM	12:45 PM	103	4	113	3	901	
12:45 PM	1:00 PM	114	3	112	1	915	
1:00 PM	1:15 PM	94	7	112	1	890	
1:15 PM	1:30 PM	105	6	99	1	878	
1:30 PM	1:45 PM	82	0	90	5	832	
1:45 PM	2:00 PM	101	4	91	2	800	
2:00 PM	2:15 PM	88	5	99	0	778	
2:15 PM	2:30 PM	93	4	80	1	745	
2:30 PM	2:45 PM	82	2	85	4	741	
2:45 PM	3:00 PM	87	3	105	1	739	1
3:00 PM	3:15 PM	79	6	70	4	706	1
3:15 PM	3:30 PM	90	0	83	1	702	1
3:30 PM	3:45 PM	83	0	88	3	703	1
3:45 PM	4:00 PM	83	2	83	7	682	1
4:00 PM	4:15 PM	77	8	82	2	692	1
4:15 PM	4:30 PM	61	2	87	3	671	1
4:30 PM	4:45 PM	57	2	81	6	643	1
4:45 PM	5:00 PM	46	3	86	2	605	1
5:00 PM	5:15 PM	62	7	75	2	582	1
5:15 PM	5:30 PM	67	3	80	4	583	1
5:30 PM	5:45 PM	50	0	77	4	568	1
5:45 PM	6:00 PM	66	2	90	1	590	+
6:00 PM	6:15 PM	67	2	74	3	590	-
		51	2	74	1	561	-
6:15 PM 6:30 PM	6:30 PM						+
	6:45 PM	45 47	2	58	5	540	4
6:45 PM	7:00 PM	47 452	10	68 465	1	498	-
AM Peak F		453	19	465	16	953	4
PM Peak F		462	14	427	12	915	4
13 Hr Tota	l	4073	174	4145	157	8549	

/ 31st Marc	11 20 19	Southbound		Northbound		Hourly
15 min		Eastbound		Westbound		Total
Period						TOtal
Start	End	Cars	Trucks	Cars	Trucks	
6:00 AM	6:15 AM	16	1	24	1	
6:15 AM	6:30 AM	17	2	12	3	
6:30 AM	6:45 AM	26	2	20	2	
6:45 AM	7:00 AM	27	1	17	0	171
7:00 AM	7:15 AM	31	1	29	0	190
7:15 AM	7:30 AM	24	0	24	2	206
7:30 AM	7:45 AM	22	0	33	2	213
7:45 AM	8:00 AM	29	0	24	4	225
8:00 AM	8:15 AM	26	2	37	2	231
8:15 AM	8:30 AM	35	2	39	3	260
8:30 AM	8:45 AM	43	2	54	7	309
8:45 AM	9:00 AM	50	5	53	2	362
9:00 AM	9:15 AM	73	4	48	1	421
9:15 AM	9:30 AM	64	3	66	1	476
9:30 AM	9:45 AM	86	1	79	2	538
9:45 AM	10:00 AM	83	3	79	1	594
10:00 AM	10:00 AM	99	5	82	4	658
10:05 AM		97	0	94	1	716
10:30 AM	10:45 AM	76	0	89	2	715
10:35 AM	11:00 AM	95	5	100	2	751
		111	2		1	
11:00 AM				99		774
11:15 AM	11:30 AM	141	5	112	3	843
11:30 AM		106	2	111	3	898
11:45 AM	12:00 PM	99	7	123	4	929
12:00 PM	12:15 PM	106	2	102	3	929
	12:30 PM	118	4	141	2	933
	12:45 PM		1	99	5	911
12:45 PM	1:00 PM	103	5	110	5	901
1:00 PM	1:15 PM	94	2	117	2	903
1:15 PM	1:30 PM	110	5	101	3	857
1:30 PM	1:45 PM	109	2	120	2	890
1:45 PM	2:00 PM	126	4	95	3	895
2:00 PM	2:15 PM	115	6	117	1	919
2:15 PM	2:30 PM	109	2	107	6	924
2:30 PM	2:45 PM	114	4	124	2	935
2:45 PM	3:00 PM	133	2	119	4	965
3:00 PM	3:15 PM	90	3	121	6	946
3:15 PM	3:30 PM	112	2	116	10	962
3:30 PM	3:45 PM	108	7	111	8	952
3:45 PM	4:00 PM	96	3	121	9	923
4:00 PM	4:15 PM	96	3	126	6	934
4:15 PM	4:30 PM	70	6	114	2	886
4:30 PM	4:45 PM	84	2	114	3	855
4:45 PM	5:00 PM	91	4	124	2	847
5:00 PM	5:15 PM	78	7	115	3	819
5:15 PM	5:30 PM	74	3	94	3	801
5:30 PM	5:45 PM	74 75	10	76	2	761
					4	
5:45 PM	6:00 PM	78	4	103		729
6:00 PM	6:15 PM	94	0	123	2	745
6:15 PM	6:30 PM	77	5	75	4	732
6:30 PM	6:45 PM	48	6	67	6	696
6:45 PM	7:00 PM	54	5	68	5	639
AM Peak P		457	16	445	11	3444
PM Peak P	eriod	471	14	467	13	3743
13 Hr Total		4133	164	4468	166	34669



Site Location:-	Muswellbrook				* IU
urvey Day and Date:-					Traffic Data & Con
Survey Period:-					
Interview Number	esponse to the following questio	ns			
Number	1	2	3	4	5
	What mode of transport did you use to get here? Car - Driver (D) or Passenger (P) / Bus (B) / Train (T / Taxi or Uber (U) / on foot (F) or Cycle (C)	If arrived by car, is the vehicle parked on site (O) or elsewhere (E)?	Are you a customer or employee? - Customer (C) or Employee (E)	Have you visited or will you visit any other venues before and/or after the carwash/café? - Yes (Y) or No (N)	to the carwash today? (i.e. 5-10mins
1	On foot		Customer	Yes	0 - 10 minutes
2	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
3	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
4	Car as Driver	On Site	Employee	No	5+ hours
5	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
6	Car as Driver	On Site	Customer	No	0 - 10 minutes
7	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
8	Car as Driver	On Site	Customer	No	30 - 60 minutes
9	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
10	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
11	Car as Driver	On Site	Customer	No	0 - 10 minutes
12	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
13	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
14	On foot		Customer	No	0 - 10 minutes
15	On foot		Customer	Yes	0 - 10 minutes
16	Car as Passenger	On Site	Customer	Yes	0 - 10 minutes
17	Car as Passenger	On Site	Customer	Yes	0 - 10 minutes
18	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
19	Car as Passenger	Elsewhere	Customer	No	0 - 10 minutes
20	On foot		Customer	No	0 - 10 minutes
21	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
22	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
23	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
24	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
25	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
26	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
27	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
28	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
29	Car as Driver	On Site	Customer	Yes	10 - 30 minutes
30	Car as Driver	On Site	Customer	No	30 - 60 minutes
31	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
32	Car as Driver	On Site	Customer	Yes	0 - 10 minutes



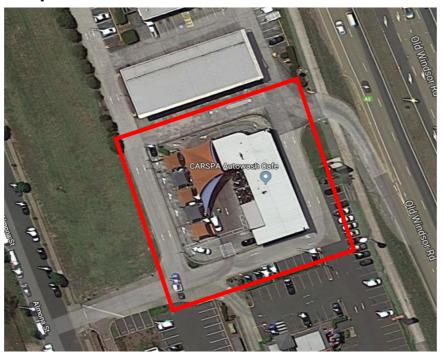
Site Location:-	Muswellbrook				
Survey Day and Date:-	Saturday 30th March 2019				Traffic Data & C
Survey Period:-	6:00am - 7:00pm				Traffic Data & 0
Interview	•				
Number	Response to the following questions	_			
	1	2	3	4	5
	What mode of transport did you use to get here? Car - Driver (D) or Passenger (P) / Bus (B) / Train (T / Taxi or Uber (U) / on foot (F) or Cycle (C)	If arrived by car, is the vehicle parked on site (O) or elsewhere (E)?	Are you a customer or employee? - Customer (C) or Employee (E)	Have you visited or will you visit any other venues before and/or after the carwash/café? - Yes (Y) or No (N)	How long is you visit to the carwa today? (i.e. 5-10mins, 10-30mins, 20-1hr, 1-2hr, 25hrs)
1	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
2	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
3	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
4	Car as Driver	On Site	Employee	No	5+ hours
5	Car as Driver	On Site	Employee	No	5+ hours
6	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
7	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
8	Car as Passenger	On Site	Customer	Yes	0 - 10 minutes
9	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
10	On foot		Customer	No	0 - 10 minutes
11	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
12	Car as Passenger	On Site	Customer	Yes	0 - 10 minutes
13	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
14	Car as Driver	On Site	Customer	No	0 - 10 minutes
15	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
16	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
17	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
18	On foot		Customer	No	0 - 10 minutes
19	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
20	Car as Driver	On Site	Customer	No	0 - 10 minutes
21	Car as Driver	On Site	Customer	No	0 - 10 minutes
22	On foot		Customer	Yes	0 - 10 minutes
23	On foot		Customer	Yes	0 - 10 minutes
24	Car as Driver	On Site	Customer	No	0 - 10 minutes
25	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
26	Car as Driver	On Site	Customer	No	0 - 10 minutes
27	Car as Driver	On Site	Customer	Yes	0 - 10 minutes



Site Location:-	Muswellbrook				
Survey Day and Date:-					Traffic Data & Cont
Survey Period:-					Traffic Data & Cont
Interview Number	Response to the following questions	3			
	1	2	3	4	5
	What mode of transport did you use to get here? Car - Driver (D) or Passenger (P) / Bus (B) / Train (T / Taxi or Uber (U) / on foot (F) or Cycle (C)	If arrived by car, is the vehicle parked on site (O) or elsewhere (E)?	Are you a customer or employee? - Customer (C) or Employee (E)	Have you visited or will you visit any other venues before and/or after the carwash/café? - Yes (Y) or No (N)	How long is your vi to the carwash toda (i.e. 5-10mins, 10 30mins, 30-1hr, 1-2 2-5hrs)
1	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
2	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
3	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
4	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
5	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
6	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
7	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
8	Car as Driver	On Site	Customer	Yes	10 - 30 minutes
9	Car as Driver	On Site	Customer	No	0 - 10 minutes
10	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
11	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
12	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
13	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
14	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
15	On foot		Customer	Yes	0 - 10 minutes
16	On foot		Customer	Yes	0 - 10 minutes
17	On foot		Customer	Yes	0 - 10 minutes
18	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
19	Car as Passenger	On Site	Customer	Yes	0 - 10 minutes
20	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
21	On foot		Customer	No	0 - 10 minutes
22	Car as Driver	On Site	Customer	No	30 - 60 minutes
23	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
24	Car as Driver	On Site	Customer	No	0 - 10 minutes
25	Car as Driver	On Site	Customer	No	0 - 10 minutes
26	Car as Driver	On Site	Customer	Yes	0 - 10 minutes
27	Car as Driver	On Site	Customer	Yes	0 - 10 minutes



Car Wash Cafe Site Information	
Site Location	CARSPA Autowash Café, Parklea
Building Area m ²	1555
Year Opened	Unknown
Opening Times	7:30am-5:30pm Mon-Fri & 7am-5:30pm Sat & Sun
Type of Car Wash (Auto/Manual/Self/Etc	Manaul / Automated
Number of Employees per shift	Unknown
Surrounding Land Use	Service Station
Proximity to Public Transport	Yes
Survey Date	14th-16th June 2019
Survey Period	7am-5:30pm
Number of Pedestrian Access Points	Unknown
Number of Vehicle Entry/Exit Points	2
Number of On-Site Parking Bays (Including bicycle parking)	Approximately 11
Number of Loading bays	Unknown
Number of Car Wash Bays	9
Number of Hybrid/Electric Bays	Unknown
Number of Disabled Bays	Unknown
Number of Bicycle Parking Bays	Unknown
Number of Staff Parking Bays	Unknown
Traffic Surveyor Comments (eg. Local issues?, Roadworks?, Closed Areas?, Disability Access?, etc)	



15		/ 14th Jun			<u> </u>
minute		Cars In	Cars Out	Peds	Bicycles
Start	End				
7:30	7:45	3	0	0	0
7:45	8:00	2	2	0	0
8:00	8:15	1	3	0	0
8:15	8:30	1	0	0	0
8:30	8:45	2	0	0	0
8:45	9:00	1	0	0	0
9:00	9:15	1	1	0	0
9:15	9:30	7	2	0	0
9:30	9:45	3	1	1	0
9:45	10:00	2	1	1	0
10:00	10:15	4	4	0	0
10:15	10:30	2	2	0	0
10:30	10:45	3	3	0	0
10:45	11:00	7	1	0	0
11:00	11:15	3	2	0	0
11:15	11:30	5	2	0	0
11:30	11:45	2	3	2	0
11:45	12:00	2	3	0	0
12:00	12:15	2	2	0	0
12:15	12:30	2	5	0	0
12:30	12:45	3	3	0	0
12:45	13:00	0	4	1	0
13:00	13:15	3	6	0	0
13:15	13:30	3	1	0	0
13:30	13:45	1	1	1	0
13:45	14:00	2	4	0	0
14:00	14:15	1	2	0	0
14:15	14:30	3	1	0	0
14:30	14:45	0	2	0	0
14:45	15:00	1	2	2	0
15:00	15:15	2	1	0	0
15:15	15:30	1	0	0	0
15:30	15:45	3	2	2	0
15:45	16:00	2	2	0	0
16:00	16:15	2	1	0	0
16:15	16:30	2	3	0	0
16:30	16:45	0	2	0	0
16:45	17:00	3	1	0	0
17:00	17:15	0	0	0	0
17:15	17:30	0	1	0	0
Total		87	76	10	0
		I.		-	

15		Cars In	Cars Out	Peds	Bicycles
ninute					
Start	End	-			
7:00	7:15	2	0	0	0
7:15	7:30	2	0	0	0
7:30	7:45	3	2	0	0
7:45	8:00	1	1	1	0
8:00	8:15	1	2	0	0
8:15	8:30	2	2	1	0
8:30	8:45	2	1	0	0
8:45	9:00	2	3	1	0
9:00	9:15	4	1	0	0
9:15	9:30	0	2	0	0
9:30	9:45	1	1	0	0
9:45	10:00	4	1	0	0
10:00	10:15	1	3	0	0
10:15	10:30	0	2	1	0
10:30	10:45	1	4	2	0
10:45	11:00	3	1	0	0
11:00	11:15	2	5	0	0
11:15	11:30	1	1	0	0
11:30	11:45	3	1	0	0
11:45	12:00	2	3	0	0
12:00	12:15	3	2	0	0
12:15	12:30	1	1	0	0
12:30	12:45	3	2	0	0
12:45	13:00	1	1	0	0
13:00	13:15	3	3	0	0
13:15	13:30	2	3	0	0
13:30	13:45	3	3	0	0
13:45	14:00	2	2	0	0
14:00	14:00	3	1	0	0
14:15	14:30	1	1	0	0
14:30	14:45	3	3	0	0
14:45	15:00	2	1	0	0
15:00	15:15	0	1	0	0
15:15	15:30	2	2	1	0
15:30	15:45	1	3	0	0
		3	3		_
15:45	16:00	2	2	3	0
16:00	16:15				
16:15	16:30	1	1	0	0
16:30	16:45	0	3	4	0
16:45	17:00	0	3	1	0
17:00	17:15	0	2	0	0
17:15	17:30	0	0	0	0
Total		73	79	15	0

Sunday 16th June 2019					
15		Cars In	Cars Out	Peds	Bicycles
minute		Cars III	Cars Out	i eus	Dicycles
Start	End				
7:00	7:15	1	0	0	0
7:15	7:30	0	0	0	0
7:30	7:45	1	0	0	0
7:45	8:00	1	0	0	0
8:00	8:15	2	0	1	0
8:15	8:30	0	1	0	0
8:30	8:45	1	1	0	0
8:45	9:00	2	2	0	0
9:00	9:15	0	0	0	0
9:15	9:30	1	2	0	0
9:30	9:45	2	1	0	0
9:45	10:00	2	1	0	0
10:00	10:15	0	0	0	0
10:15	10:30	1	3	0	0
10:30	10:45	0	0	3	0
10:45	11:00	0	0	0	0
11:00	11:15	3	0	0	0
11:15	11:30	2	2	1	0
11:30	11:45	0	2	0	0
11:45	12:00	0	1	0	0
12:00	12:15	0	1	0	0
12:15	12:30	2	1	0	0
12:30	12:45	1	0	0	0
12:45	13:00	1	1	0	0
13:00	13:15	0	1	0	0
13:15	13:30	0	1	0	0
13:30	13:45	2	0	0	0
13:45	14:00	2	0	0	0
14:00	14:15	0	2	0	0
14:15	14:30	0	2	0	0
14:30	14:45	0	0	0	0
14:45	15:00	1	0	1	0
15:00	15:15	1	0	0	0
15:15	15:30	0	0	0	0
15:30	15:45	1	1	0	0
15:45	16:00	1	1	0	0
16:00	16:15	0	0	0	0
16:15	16:30	0	0	0	0
16:30	16:45	2	0	0	0
16:45	17:00	0	1	0	0
17:00	17:15	0	1	0	0
17:15	17:30	0	2	0	0
Total		33	31	6	0

Site Location	CARSPA Autowash Café, Parklea
Survey Date	21st-23rd June 2019
Survey Period	7am-5:30pm
Main Traffic Flow	Old Windsor Rd
AM Peak Period	7:45am - 8:45am
PM Peak Period	3:30pm - 4:30pm

15 min	y 14th June			Nowthbound		Hourly
Period		Southbound		Northbound		Total
Start	End	Cars	Trucks	Cars	Trucks	
8:30 AM	8:45 AM	456	19	255	18	3302
8:45 AM	9:00 AM	482	32	289	24	3241
9:00 AM	9:00 AM 9:15 AM	467	21	272	32	3197
9:15 AM	9:30 AM	424	14	297	27	3129
9:30 AM	9:45 AM	477	22	282	24	3186
9:45 AM	10:00 AM	393	16	290	34	3092
10:00 AM	10:00 AM	393 419	23	264	27	3033
10:00 AM	10:13 AM	386	16	269	48	2990
10:30 AM	10:30 AM	385	36	301	16	2923
10:35 AM	11:00 AM	376	23	298	27	2914
11:00 AM	11:15 AM	339	30	284	21	2855
11:15 AM	11:30 AM	388	25	331	25	2905
11:30 AM	11:45 AM	326	34	314	34	2875
11:45 AM	12:00 PM	373	22	336	44	2926
12:00 PM	12:15 PM	376	29	291	26	2974
12:15 PM	12:30 PM	389	42	328	20	2984
12:30 PM	12:45 PM	372	30	408	37	3123
12:45 PM	1:00 PM	365	15	377	25	3130
1:00 PM	1:15 PM	397	26	368	21	3220
1:15 PM	1:30 PM	336	24	327	29	3157
1:30 PM	1:45 PM	347	21	361	15	3054
1:45 PM	2:00 PM	385	23	331	23	3034
2:00 PM	2:15 PM	446	31	377	23	3099
2:15 PM	2:30 PM	443	16	451	18	3311
2:30 PM	2:45 PM	368	23	458	28	3444
2:45 PM	3:00 PM	412	20	492	29	3635
3:00 PM	3:15 PM	368	12	479	34	3651
J.00 1 W	J. 10 1 W	000	12	7/0	J-7	3731
						3865
						3939
						5555
4:15 PM	4:30 PM	431	13	502	10	3911
4:30 PM	4:45 PM	431	13	468	20	3832
4:45 PM	5:00 PM	390	11	494	12	3712
5:00 PM	5:15 PM	386	3	513	13	3710
5:15 PM	5:30 PM	405	12	474	8	3653
3	3.30 1 101	100			Ŭ	3000
AM Peak Po	eriod	2015	69	1209	91	3384
PM Peak Po		1872	81	1931	79	3963
Total	onou	16625	847	14721	962	33155



ANI Peak Period	10:45am - 11:45am
PM Peak Period	12:45pm - 1:45pm

Saturda	ay 15th Jun	e 2019				
15 min		O a settle le a come el		N a with he accord		Hourly
Period		Southbound		Northbound		Total
Start	End	Cars	Trucks	Cars	Trucks	
7:00 AM	7:15 AM	239	17	180	13	
7:15 AM	7:30 AM	259	15	232	24	
7:30 AM	7:45 AM	246	8	274	23	
7:45 AM	8:00 AM	310	8	255	11	2114
8:00 AM	8:15 AM	305	5	281	13	2269
8:15 AM	8:30 AM	334	4	327	9	2413
8:30 AM	8:45 AM	390	7	324	12	2595
8:45 AM	9:00 AM	463	9	353	13	2849
9:00 AM	9:15 AM	436	13	412	20	3126
9:15 AM	9:30 AM	424	19	376	21	3292
9:30 AM	9:45 AM	438	17	407	17	3438
9:45 AM	10:00 AM	467	15	472	11	3565
10:00 AM		446	13	478	13	3634
10:15 AM		517	3	499	14	3827
10:30 AM	10:45 AM	484	17	464	5	3918
	11:00 AM	513	12	509	11	3998
	11:15 AM	515	16	483	12	4074
11:15 AM		522	10	495	14	4082
	11:45 AM	555	10	486	21	4184
11:45 AM		523	2	437	11	4112
12:00 PM		579	14	520	10	4209
12:15 PM		526	7	465	11	4177
12:30 PM		539	7	485	9	4145
12:45 PM	1:00 PM	531	8	498	7	4216
1:00 PM	1:15 PM	595	3	473	10	4174
1:15 PM	1:30 PM	606	7	496	6	4280
	1:45 PM	557	7	503	12	4319
1:45 PM	2:00 PM	517	15	502	7	4316
2:00 PM	2:15 PM	485	3	501	11	4235
2:15 PM	2:30 PM	471	6	512	10	4119
2:30 PM	2:45 PM	489	10	476	14	4029
2:45 PM	3:00 PM	481	5	467	15	3956
3:00 PM	3:15 PM	488	5	491	14	3954
3:15 PM	3:30 PM	489	5	464	8	3921
3:30 PM	3:45 PM	542	4	520	9	4007
3:45 PM	4:00 PM	530	9	445	8	4031
4:00 PM	4:15 PM	525	6	477	7	4048
4:15 PM	4:30 PM	465	4	457	11	4019
4:30 PM	4:45 PM	454	5	464	5	3872
4:45 PM	5:00 PM	534	5	452	4	3875
5:00 PM	5:15 PM	550	4	468	3	3885
5:15 PM	5:30 PM	527	3	506	7	3991
AM Peak P		2105	48	1973	58	4184
PM Peak P		2289	25	1970	35	4319
Total	J1104	19866	362	18386	486	39100

AW Peak Period	10:45am - 11:45am
PM Peak Period	11:45am - 12:45pm

Sunda	ay 16th June	2010				
	l Tour June	2019				
15 min		Southbound		Northbound		Hourly
Period						Total
Start	End	Cars	Trucks	Cars	Trucks	
7:00 AM	7:15 AM	126	0	77	1	
7:15 AM	7:30 AM	137	8	102	2	
7:30 AM	7:45 AM	171	1	137	4	
7:45 AM	8:00 AM	222	5	152	4	1149
8:00 AM	8:15 AM	189	0	155	4	1293
8:15 AM	8:30 AM	259	2	195	3	1503
8:30 AM	8:45 AM	299	3	171	3	1666
8:45 AM	9:00 AM	308	3	201	6	1801
9:00 AM	9:15 AM	276	1	232	2	1964
9:15 AM	9:30 AM	333	4	258	4	2104
9:30 AM	9:45 AM	294	6	286	2	2216
9:45 AM	10:00 AM	352	0	360	3	2413
10:00 AM	10:15 AM	294	4	296	1	2497
10:15 AM	10:30 AM	389	3	289	0	2579
10:30 AM	10:45 AM	326	2	346	2	2667
10:45 AM	11:00 AM	404	1	428	2	2787
11:00 AM	11:15 AM	395	1	321	4	2913
11:15 AM	11:30 AM	406	4	418	4	3064
11:30 AM	11:45 AM	386	0	370	1	3145
11:45 AM	12:00 PM	407	3	476	6	3202
12:00 PM	12:15 PM	460	2	467	3	3413
12:15 PM	12:30 PM	447	2	444	1	3475
12:30 PM	12:45 PM	431	2	415	3	3569
12:45 PM	1:00 PM	384	2	420	2	3485
1:00 PM	1:15 PM	476	7	446	4	3486
1:15 PM	1:30 PM	422	9	361	2	3386
1:30 PM	1:45 PM	464	0	369	4	3372
1:45 PM	2:00 PM	420	4	395	2	3385
2:00 PM	2:15 PM	402	4	348	1	3207
2:15 PM	2:30 PM	364	3	352	4	3136
2:30 PM	2:45 PM	349	2	404	1	3055
2:45 PM	3:00 PM	427	1	356	3	3021
3:00 PM	3:15 PM	434	5	365	6	3076
3:15 PM	3:30 PM	387	7	405	4	3156
3:30 PM	3:45 PM	451	5	354	1	3211
3:45 PM	4:00 PM	470	3	396	4	3297
4:00 PM	4:15 PM	440	0	370	1	3298
4:15 PM	4:30 PM	461	4	431	3	3394
4:30 PM	4:45 PM	461	2	324	3	3373
4:45 PM	5:00 PM	463	2	366	4	3335
5:00 PM	5:15 PM	459	3	345	3	3334
5:15 PM	5:30 PM	490	3	406	2	3336
AM Peak F		1591	6	1537	11	3145
PM Peak F		1745	9	1802	13	3569
Total		15535	123	13809	119	29586
-				-		



Car Wash Cafe Site Information	
Site Location	Lugarno Café Car Wash
Building Area m ²	
Year Opened	
Opening Times	8:00am-5:00pm
Type of Car Wash (Auto/Manual/Self/Etc	
Number of Employees per shift	
Surrounding Land Use	
Proximity to Public Transport	
Survey Date	14th, 15th June & 28th July 2019
Survey Period	8:00am-5:00pm
Number of Pedestrian Access Points	
Number of Vehicle Entry/Exit Points	
Number of On-Site Parking Bays (Including bicycle parking)	
Number of Loading bays	
Number of Car Wash Bays	
Number of Hybrid/Electric Bays	
Number of Disabled Bays	
Number of Bicycle Parking Bays	
Number of Staff Parking Bays	
Traffic Surveyor Comments (eg. Local issues?, Roadworks?, Closed Areas?, Disability Acess?, etc)	

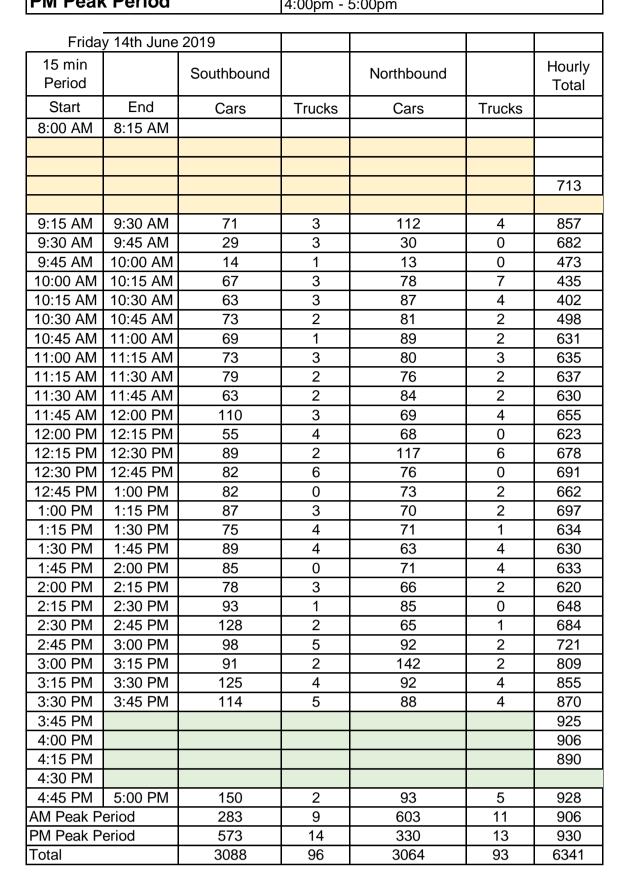


Friday	/ 14th June	e 2019			
15 minute Period		Cars In	Cars Out	Peds	Bicycles
Start	End				
8:00	8:15	2	0	0	0
8:15	8:30	1	1	0	0
8:30	8:45	1	1	0	0
8:45	9:00	3	0	0	0
9:00	9:15	4	1	0	0
9:15	9:30	1	0	0	0
9:30	9:45	0	2	1	0
9:45	10:00	0	1	0	0
10:00	10:15	2	1	0	0
10:15	10:30	1	1	0	0
10:30	10:45	4	2	0	0
10:45	11:00	1	1	2	0
11:00	11:15	1	2	2	0
11:15	11:30	2	2	1	0
11:30	11:45	1	1	0	0
11:45	12:00	3	3	0	0
12:00	12:15	1	1	0	0
12:15	12:30	2	1	0	0
12:30	12:45	2	3	0	0
12:45	13:00	1	2	0	0
13:00	13:15	3	1	0	0
13:15	13:30	4	2	0	0
13:30	13:45	0	3	0	0
13:45	14:00	1	3	0	0
14:00	14:15	2	3	0	0
14:15	14:30	0	1	0	0
14:30	14:45	1	2	0	0
14:45	15:00	1	1	0	0
15:00	15:15	1	1	1	0
15:15	15:30	3	3	0	0
15:30	15:45	3	2	0	0
15:45	16:00	2	2	0	0
16:00	16:15	1	1	0	0
16:15	16:30	0	2	0	0
16:30	16:45	1	3	0	0
16:45	17:00	0	0	0	0
Total		56	56	7	0

Saturda	ay 15th Ju	ne 2019			
15	-				
minute		Cars In	Cars Out	Peds	Bicycles
Period					
Start	End				
8:00	8:15	5	3	2	0
8:15	8:30	2	1	0	0
8:30	8:45	1	2	0	0
8:45	9:00	1	2	0	0
9:00	9:15	4	2	0	0
9:15	9:30	3	0	1	0
9:30	9:45	1	3	4	0
9:45	10:00	0	2	1	0
10:00	10:15	1	1	0	0
10:15	10:30	3	1	1	0
10:30	10:45	7	3	2	0
10:45	11:00	3	1	0	0
11:00	11:15	2	2	1	0
11:15	11:30	2	3	0	0
11:30	11:45	3	1	1	0
11:45	12:00	4	3	0	0
12:00	12:15	1	5	1	0
12:15	12:30	4	2	2	0
12:30	12:45	4	3	1	0
12:45	13:00	2	3	0	0
13:00	13:15	2	2	0	0
13:15	13:30	2	4	2	0
13:30	13:45	2	1	0	0
13:45	14:00	1	3	0	0
14:00	14:15	0	2	0	0
14:15	14:30	1	3	0	0
14:30	14:45	2	1	0	0
14:45	15:00	1	0	0	0
15:00	15:15	2	3	0	0
15:15	15:30	1	1	1	0
15:30	15:45	1	2	0	0
15:45	16:00	0	1	0	0
16:00	16:15	1	0	1	0
16:15	16:30	1	1	0	0
16:30	16:45	1	1	0	0
16:45	17:00	0	3	0	0
Total		71	71	21	0

Sunday 28th July 2019						
15 minute		Cars In	Cars Out	Peds	Bicycles	
Period	F.o.d					
Start 8:00	End 8:15	1	1	0	0	
8:15	8:30	4	2	0	0	
8:30	8:45	1	2	0	0	
8:45	9:00	1	2	0	0	
	9:15	1	1	0	0	
9:00		4	2	0	0	
9:15	9:30	4	3	1	_	
9:30	9:45				0	
9:45	10:00	5	2	0	0	
10:00	10:15	1	4	0	0	
10:15	10:30	1	3	0	0	
10:30	10:45	1	4	0	0	
10:45	11:00	2	2	0	0	
11:00	11:15	3	2	0	0	
11:15	11:30	3	1	0	0	
11:30	11:45	2	3	0	0	
11:45	12:00	6	3	0	0	
12:00	12:15	3	3	0	0	
12:15	12:30	4	2	1	0	
12:30	12:45	4	1	1	0	
12:45	13:00	4	3	0	0	
13:00	13:15	3	3	1	0	
13:15	13:30	2	2	1	0	
13:30	13:45	2	4	3	0	
13:45	14:00	0	1	0	0	
14:00	14:15	3	1	0	0	
14:15	14:30	2	2	0	0	
14:30	14:45	3	2	1	0	
14:45	15:00	2	2	2	0	
15:00	15:15	1	4	2	0	
15:15	15:30	3	4	0	0	
15:30	15:45	1	3	2	0	
15:45	16:00	3	3	4	0	
16:00	16:15	1	4	1	0	
16:15	16:30	0	1	0	0	
16:30	16:45	1	2	1	0	
16:45	17:00	1	3	1	0	
Total		83	87	22	0	

Site Location	Lugarno Café Car Wash
Survey Date	14th, 15th June & 28th July 2019
Survey Period	6am-7pm
Main Traffic Flow	Forest Rd
AM Peak Period	8:30am - 9:30am
PM Peak Period	4:00pm - 5:00pm





AM Peak Period	10:45am - 11:45am
PM Peak Period	12:00pm - 1:00pm

Saturda	ay 15th Jun	e 2019				
15 min Period		Southbound		Northbound		Hourly Total
Start	End	Cars	Trucks	Cars	Trucks	
8:00 AM	8:15 AM	50	1	115	4	
8:15 AM	8:30 AM	47	2	116	2	
8:30 AM	8:45 AM	46	0	115	0	
8:45 AM	9:00 AM	69	1	113	2	683
9:00 AM	9:15 AM	59	4	124	1	701
9:15 AM	9:30 AM	78	1	135	1	749
9:30 AM	9:45 AM	79	3	123	1	794
9:45 AM	10:00 AM	92	4	151	3	859
10:00 AM	10:15 AM	100	1	116	1	889
10:15 AM	10:30 AM	115	1	118	1	909
10:30 AM	10:45 AM	116	3	153	1	976
10:45 AM	11:00 AM	117	2	154	3	1002
11:00 AM	11:15 AM	115	1	121	2	1023
11:15 AM	11:30 AM	144	0	140	1	1073
11:30 AM	11:45 AM	149	2	125	3	1079
11:45 AM	12:00 PM	125	1	124	3	1056
12:00 PM	12:15 PM	126	2	117	1	1063
12:15 PM	12:30 PM	153	2	131	2	1066
12:30 PM	12:45 PM	143	3	117	2	1052
12:45 PM	1:00 PM	126	4	104	1	1034
1:00 PM	1:15 PM	125	1	108	3	1025
1:15 PM	1:30 PM	105	1	116	1	960
1:30 PM	1:45 PM	109	1	93	1	899
1:45 PM	2:00 PM	127	1	118	3	913
2:00 PM	2:15 PM	107	1	111	1	896
2:15 PM	2:30 PM	122	0	97	2	894
2:30 PM	2:45 PM	131	2	93	1	917
2:45 PM	3:00 PM	105	2	115	1	891
3:00 PM	3:15 PM	115	2	98	1	887
3:15 PM	3:30 PM	107	0	84	1	858
3:30 PM	3:45 PM	114	2	119	1	867
3:45 PM	4:00 PM	119	6	75	4	848
4:00 PM	4:15 PM	113	3	63	1	812
4:15 PM	4:30 PM	105	0	75	3	803
4:30 PM	4:45 PM	126	2	100	2	797
4:45 PM	5:00 PM	135	2	89	0	819
AM Peak F	Period	525	5	540	9	1079
PM Peak F	Period	548	11	469	6	1034
Total		3914	64	4066	61	8105

IAM Peak Period	11:00am - 12:00pm
PM Peak Period	12:00pm - 1:00pm

Sunda	ay 28th July	2019				
15 min Period		Southbound		Northbound		Hourly Total
Start	End	Cars	Trucks	Cars	Trucks	
8:00 AM	8:15 AM	72	1	29	1	
8:15 AM	8:30 AM	63	1	47	0	
8:30 AM	8:45 AM	74	0	58	0	
8:45 AM	9:00 AM	82	0	82	1	511
9:00 AM	9:15 AM	131	1	101	0	641
9:15 AM	9:30 AM	114	1	87	4	736
9:30 AM	9:45 AM	108	1	83	1	797
9:45 AM	10:00 AM	143	3	58	3	839
10:00 AM	10:15 AM	108	3	84	0	801
10:15 AM	10:30 AM	100	1	73	2	771
10:30 AM	10:45 AM	125	0	93	1	797
10:45 AM	11:00 AM	130	0	106	0	826
11:00 AM	11:15 AM	102	1	86	0	820
11:15 AM	11:30 AM	116	1	89	2	852
11:30 AM	11:45 AM	119	0	104	1	857
11:45 AM	12:00 PM	111	1	136	0	869
12:00 PM	12:15 PM	137	1	123	1	942
12:15 PM	12:30 PM	135	1	124	0	994
12:30 PM	12:45 PM	101	0	114	1	986
12:45 PM	1:00 PM	87	0	117	2	944
1:00 PM	1:15 PM	90	2	123	0	897
1:15 PM	1:30 PM	115	1	84	2	839
1:30 PM	1:45 PM	86	0	104	1	814
1:45 PM	2:00 PM	90	1	85	1	785
2:00 PM	2:15 PM	73	1	99	0	743
2:15 PM	2:30 PM	65	1	121	1	729
2:30 PM	2:45 PM	84	0	91	1	714
2:45 PM	3:00 PM	122	0	108	0	767
3:00 PM	3:15 PM	111	1	90	0	796
3:15 PM	3:30 PM	93	1	102	1	805
3:30 PM	3:45 PM	75	1	91	2	798
3:45 PM	4:00 PM	85	0	83	0	736
4:00 PM	4:15 PM	70	1	105	2	712
4:15 PM	4:30 PM	66	1	87	1	670
4:30 PM	4:45 PM	64	3	97	0	665
4:45 PM	5:00 PM	79	0	114	2	692
AM Peak F		448	3	415	3	869
PM Peak F	Period	460	2	478	4	944
Total		3526	31	3378	34	6969



Car Wash Cafe Site Information	
Site Location	Wax Car Wash
Building Area m ²	
Year Opened	
Opening Times	7:00am-6:00pm
Type of Car Wash (Auto/Manual/Self/Etc	
Number of Employees per shift	
Surrounding Land Use	
Proximity to Public Transport	
Survey Date	14th, 15th June & 28th July 2019
Survey Period	7:00am-6:00pm
Number of Pedestrian Access Points	
Number of Vehicle Entry/Exit Points	
Number of On-Site Parking Bays (Including bicycle parking)	
Number of Loading bays	
Number of Car Wash Bays	
Number of Hybrid/Electric Bays	
Number of Disabled Bays	
Number of Bicycle Parking Bays	
Number of Staff Parking Bays	
Traffic Surveyor Comments (eg. Local issues?, Roadworks?, Closed Areas?, Disability Acess?, etc)	



	14th June	e 2019			
15		Cars In	Cars Out	Peds	Bicycles
minute					
Start	End	0	0		0
7:00	7:15	0	0	2	0
7:15	7:30	1	0	0	0
7:30	7:45	1	0	2	0
7:45	8:00	2	0	0	0
8:00	8:15	2	1	1	0
8:15	8:30	4	0	1	0
8:30	8:45	3	3	2	0
8:45	9:00	2	3	4	0
9:00	9:15	2	2	2	0
9:15	9:30	4	1	4	0
9:30	9:45	3	5	0	0
9:45	10:00	2	3	2	0
10:00	10:15	3	2	0	0
10:15	10:30	2	4	0	0
10:30	10:45	1	0	0	0
10:45	11:00	7	1	0	0
11:00	11:15	1	7	1	0
11:15	11:30	5	2	0	0
11:30	11:45	4	3	1	0
11:45	12:00	3	3	1	0
12:00	12:15	2	6	0	0
12:15	12:30	2	4	3	0
12:30	12:45	4	2	4	0
12:45	13:00	2	3	0	0
13:00	13:15	3	3	0	0
13:15	13:30	3	2	1	0
13:30	13:45	4	5	0	0
13:45	14:00	2	1	0	0
14:00	14:15	1	2	0	0
14:15	14:30	7	3	0	0
14:30	14:45	5	2	1	0
14:45	15:00	4	4	0	0
15:00	15:15	1	6	2	0
15:15	15:30	2	4	0	0
15:30	15:45	2	2	0	0
15:45	16:00	1	3	0	0
16:00	16:15	4	0	0	0
16:15	16:30	1	1	0	0
16:30	16:45	0	5	0	0
16:45	17:00	0	0	0	0
17:00	17:15	1	1	0	0
17:15	17:30	0	2	0	0
17:30	17:45	0	2	0	0
17:45	18:00	0	0	0	0
Total		103	103	34	0

15		Cars In	Cars Out	Peds	Bicycles
minute					
Start	End				
7:00	7:15	4	0	2	0
7:15	7:30	2	2	1	0
7:30	7:45	2	4	0	0
7:45	8:00	3	1	0	0
8:00	8:15	4	2	0	0
8:15	8:30	3	3	0	0
8:30	8:45	8	4	0	0
8:45	9:00	8	3	0	0
9:00	9:15	2	2	0	0
9:15	9:30	2	6	1	0
9:30	9:45	5	4	0	0
9:45	10:00	3	4	0	0
10:00	10:15	3	3	0	0
10:15	10:30	1	3	0	0
10:30	10:45	0	4	2	0
10:45	11:00	3	3	0	0
11:00	11:15	5	1	0	0
11:15	11:30	2	0	0	0
11:30	11:45	3	1	2	0
11:45	12:00	3	3	2	0
12:00	12:15	5	3	0	0
12:15	12:30	3	4	0	0
12:30	12:45	3	5	0	0
12:45	13:00	2	3	0	0
13:00	13:15	4	3	1	0
13:15	13:30	0	5	1	0
13:30	13:45	0	2	0	0
13:45	14:00	3	1	1	0
14:00	14:15	3	5	0	0
14:15	14:30	2	3	0	0
14:30	14:45	5	3	0	0
14:45	15:00	2	3	1	0
15:00	15:15	4	1	0	0
15:15	15:30	4	3	0	0
15:30	15:45	1	2	2	0
15:45	16:00	1	4	2	0
16:00	16:15	2	1	0	0
16:15	16:30	0	1	0	0
16:30	16:45	1	2	0	0
16:45	17:00	1	1	1	0
17:00	17:15	0	2	0	0
17:15	17:30	0	2	0	0
17:30	17:45	0	0	0	0
17:45	18:00	0	0	0	0
Total		112	112	19	0

Sunday 28th July 2019							
15	15 Cars In Cars Out Peds						
minute		Ours III	Jans Out	i cus			
Start	End						
7:00	7:15	3	0	0			
7:15	7:30	4	1	0			
7:30	7:45	2	4	0			
7:45	8:00	5	3	0			
8:00	8:15	2	3	2			
8:15	8:30	1	2	1			
8:30	8:45	4	4	0			
8:45	9:00	3	2	0			
9:00	9:15	0	3	2			
9:15	9:30	2	3	2			
9:30	9:45	4	0	0			
9:45	10:00	7	2	0			
10:00	10:15	1	3	0			
10:15	10:30	4	5	0			
10:30	10:45	5	3	0			
10:45	11:00	5	4	1			
11:00	11:15	6	2	0			
11:15	11:30	4	3	0			
11:30	11:45	2	4	0			
11:45	12:00	5	6	0			
12:00	12:15	4	5	1			
12:15	12:30	7	5	0			
12:30	12:45	4	3	0			
12:45	13:00	3	1	0			
13:00	13:15	5	6	0			
13:15	13:30	5	6	0			
13:30	13:45	0	7	0			
13:45	14:00	0	6	1			
14:00	14:15	1	3	0			
14:15	14:30	2	1	0			
14:30	14:45	1	1	0			
14:45	15:00	1	0	0			
15:00	15:15	2	3	0			
15:15	15:30	3	0	0			
15:30	15:45	5	0	0			
15:45	16:00	2	3	3			
16:00	16:15	3	2	0			
16:15	16:30	2	2	0			
16:30	16:45	3	4	2			
16:45	17:00	1	4	0			
17:00	17:15	1	4	0			
17:15	17:10	0	0	0			
17:30	17:45	0	2	0			
17:45	18:00	0	1	0			
Total	10.00	124	126	15			
i Otal		14	120	10			

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Site Location	Wax Car Wash		
Survey Date	14th, 15th June & 28th July 2019		
Survey Period	7am-6pm		
Main Traffic Flow	Cleveland Street		
AM Peak Period	8:00am - 9:00am		
PM Peak Period	5:00pm - 6:00pm		

				I		
Frida	y 14th June	2019				
15 min Period		Westbound		Eastbound		Hourly Total
Start	End	Cars	Trucks	Cars	Trucks	
7:00 AM	7:15 AM	210	10	194	22	
7:15 AM	7:30 AM	241	11	258	24	
7:30 AM	7:45 AM	248	28	244	26	
7:45 AM	8:00 AM	247	20	211	22	2016
						2105
						2123
						2117
9:00 AM	9:15 AM	262	19	199	25	2149
9:15 AM	9:30 AM	238	21	223	27	2106
9:30 AM	9:45 AM	219	19	234	25	2063
9:45 AM	10:00 AM	215	14	230	19	1989
10:00 AM	10:15 AM	240	23	235	16	1998
10:15 AM	10:30 AM	218	16	181	23	1927
10:30 AM	10:45 AM	237	16	217	21	1921
10:45 AM	11:00 AM	232	20	231	17	1943
11:00 AM	11:15 AM	219	23	194	19	1884
11:15 AM	11:30 AM	219	21	211	14	1911
11:30 AM	11:45 AM	255	24	194	14	1907
11:45 AM	12:00 PM	242	18	231	14	1912
12:00 PM	12:15 PM	244	10	208	16	1935
12:15 PM	12:30 PM	275	20	225	12	2002
12:30 PM	12:45 PM	269	13	224	14	2035
12:45 PM	1:00 PM	294	23	219	14	2080
1:00 PM	1:15 PM	235	14	203	19	2073
1:15 PM	1:30 PM	242	21	175	20	1999
1:30 PM	1:45 PM	261	7	205	20	1972
1:45 PM	2:00 PM	230	16	212	17	1897
2:00 PM	2:15 PM	255	12	222	17	1932
2:15 PM	2:30 PM	244	18	266	15	2017
2:30 PM	2:45 PM	260	6	243	13	2046
2:45 PM	3:00 PM	284	18	230	11	2114
3:00 PM	3:15 PM	260	19	230	8	2125
3:15 PM	3:30 PM	250	13	222	20	2087
3:30 PM	3:45 PM	255	12	243	12	2087
3:45 PM	4:00 PM	249	16	216	10	2035
4:00 PM	4:15 PM	271	11	222	8	2030
4:15 PM	4:30 PM	261	10	245	13	2054
4:30 PM	4:45 PM	261	10	239	8	2050
4:45 PM	5:00 PM	249	10	256	15	2089
						2129
						2138
						2196
AM Peak P	eriod	1072	74	945	78	2169
PM Peak P	eriod	1010	45	1139	47	2241
Total		10973	701	10076	735	22485



IAM Peak Period	11:00am - 12:00am
PM Peak Period	12:45pm - 1:45pm

Saturda	ay 15th Jun	e 2019				
15 min		Westbound		Eastbound		Hourly
Period		Wesibouria		Easibound		Total
Start	End	Cars	Trucks	Cars	Trucks	
7:00 AM	7:15 AM	127	4	124	10	
7:15 AM	7:30 AM	146	7	182	16	
7:30 AM	7:45 AM	157	9	185	10	
7:45 AM	8:00 AM	202	8	181	13	1381
8:00 AM	8:15 AM	207	8	193	6	1530
8:15 AM	8:30 AM	202	19	223	12	1635
8:30 AM	8:45 AM	227	9	242	5	1757
8:45 AM	9:00 AM	226	9	240	15	1843
9:00 AM	9:15 AM	257	13	229	20	1948
9:15 AM	9:30 AM	249	9	240	13	2003
9:30 AM	9:45 AM	257	13	247	9	2046
9:45 AM	10:00 AM	285	8	228	10	2087
10:00 AM	10:15 AM	322	14	256	8	2168
10:15 AM	10:30 AM	290	13	259	6	2225
10:30 AM	10:45 AM	321	18	237	9	2284
10:45 AM	11:00 AM	256	14	235	12	2270
11:00 AM	11:15 AM	275	12	236	13	2206
11:15 AM	11:30 AM	306	12	285	7	2248
11:30 AM	11:45 AM	264	7	256	8	2198
11:45 AM	12:00 PM	273	11	291	9	2265
12:00 PM	12:15 PM	311	13	266	11	2330
12:15 PM	12:30 PM	306	11	269	11	2317
12:30 PM	12:45 PM	261	11	255	11	2320
12:45 PM	1:00 PM	306	12	264	7	2325
1:00 PM	1:15 PM	303	9	275	6	2317
1:15 PM	1:30 PM	281	9	320	8	2338
1:30 PM	1:45 PM	277	7	252	4	2340
1:45 PM	2:00 PM	302	6	262	7	2328
2:00 PM	2:15 PM	309	6	242	9	2301
2:15 PM	2:30 PM	252	7	250	7	2199
2:30 PM	2:45 PM	280	9	262	7	2217
2:45 PM	3:00 PM	302	4	279	6	2231
3:00 PM	3:15 PM	289	7	252	9	2222
3:15 PM	3:30 PM	334	4	272	9	2325
3:30 PM	3:45 PM	271	8	238	6	2290
3:45 PM	4:00 PM	267	5	258	6	2235
4:00 PM	4:15 PM	283	6	269	5	2241
4:15 PM	4:30 PM	276	8	218	9	2133
4:30 PM	4:45 PM	302	7	200	5	2124
4:45 PM	5:00 PM	310	8	218	8	2132
5:00 PM	5:15 PM	296	5	220	7	2097
5:15 PM	5:30 PM	282	4	267	5	2144
5:30 PM	5:45 PM	268	5	232	5	2140
5:45 PM	6:00 PM	261	3	236	7	2103
AM Peak P		1118	42	1068	37	2265
PM Peak P		1167	37	1111	25	2340
Total		11778	391	10645	386	23200

AM Peak Period	11:00am - 12:00pm
PM Peak Period	1:00pm - 2:00pm

Sunda	ay 28th July	2019				
15 min Period		Westbound		Eastbound		Hourly Total
Start	End	Cars	Trucks	Cars	Trucks	
7:00 AM	7:15 AM	68	4	95	2	
7:15 AM	7:30 AM	78	2	100	1	
7:30 AM	7:45 AM	86	2	108	4	
7:45 AM	8:00 AM	104	1	133	2	790
8:00 AM	8:15 AM	114	7	123	3	868
8:15 AM	8:30 AM	93	7	149	6	942
8:30 AM	8:45 AM	152	6	162	6	1068
8:45 AM	9:00 AM	149	7	180	6	1170
9:00 AM	9:15 AM	121	6	190	7	1247
9:15 AM	9:30 AM	179	4	232	4	1411
9:30 AM	9:45 AM	167	3	210	4	1469
9:45 AM	10:00 AM	223	8	268	9	1635
10:00 AM	10:15 AM	212	5	225	6	1759
10:15 AM	10:30 AM	193	8	248	8	1797
10:30 AM	10:45 AM	230	5	275	4	1927
10:45 AM	11:00 AM	234	7	249	6	1915
11:00 AM	11:15 AM	208	1	227	5	1908
11:15 AM	11:30 AM	236	11	236	5	1939
11:30 AM	11:45 AM	223	8	255	3	1914
11:45 AM	12:00 PM	249	3	279	5	1914
12:00 PM	12:15 PM	274	5	290	5	2087
12:15 PM	12:30 PM	265	8	288	8	2168
12:30 PM	12:45 PM	203	o 5	286	4	2211
12:45 PM	1:00 PM	25 <i>1</i> 254	10	260	6	2205
1:00 PM	1:15 PM	269	3	354	6	2263
1:15 PM	1:30 PM	305	6	311	5	2321
1:30 PM	1:45 PM	245	4		5	
1:45 PM	2:00 PM	245	7	314 282		2357 2400
2:00 PM	2:15 PM	262	6	285	3 6	2327
2:15 PM	2:30 PM	256	6	304	5	2271
	2:45 PM		3	•	5	
2:30 PM 2:45 PM	3:00 PM	252 226	4	290 315	5	2253 2230
3:00 PM	3:15 PM	249	4 5	260	4	2189
3:15 PM	3:30 PM	236	7	230	6	2097
3:30 PM	3:45 PM	247	4	237	5	2040
3:45 PM	4:00 PM	262	6	170	7	1935
4:00 PM	4:00 PM 4:15 PM	275	3	221	4	1935
4:00 PM	4:30 PM	262	8	222	4	1920
4:30 PM	4:45 PM	248	6	225	4	1937
4:45 PM	5:00 PM	254	8	197	6	1947
5:00 PM	5:15 PM	215	o 5	197	6	1864
5:15 PM	5:30 PM	300		207	4	1886
5:30 PM	5:45 PM	254	5	207	3	1869
5:45 PM	6:00 PM	279	7	215	7	1912
AM Peak P		916	23	997	18	
PM Peak P		1100	20	1261	19	1954 2400
Total	CITOU	9526	243	10105	219	20093
Total		3020	۷43	10105	213	20033



Car Wash Cafe Site Information	
Site Location	Hands on Car Wash
Building Area m ²	
Year Opened	
Opening Times	9:00am-5:00pm
Type of Car Wash (Auto/Manual/Self/Etc	
Number of Employees per shift	
Surrounding Land Use	
Proximity to Public Transport	
Survey Date	14th, 15th June & 28th July 2019
Survey Period	9:00am-5:00pm
Number of Pedestrian Access Points	
Number of Vehicle Entry/Exit Points	
Number of On-Site Parking Bays (Including bicycle parking)	
Number of Loading bays	
Number of Car Wash Bays	
Number of Hybrid/Electric Bays	
Number of Disabled Bays	
Number of Bicycle Parking Bays	
Number of Staff Parking Bays	
Traffic Surveyor Comments (eg. Local issues?, Roadworks?, Closed Areas?, Disability Acess?, etc)	



Friday	14th Jun	e 2019				Saturda	ay 15th Ju	ne 2019			
15 minute		Cars In	Cars Out	Peds	Bicycles	15 minute		Cars In	Cars Out	Peds	Bicyc
Start	End	†				Start	End	1			
9:00	9:15	2	1	0	0	9:00	9:15	0	0	0	0
9:15	9:30	2	1	1	0	9:15	9:30	2	0	0	0
9:30	9:45	0	2	0	0	9:30	9:45	3	2	0	0
9:45	10:00	0	0	0	0	9:45	10:00	0	0	0	0
10:00	10:15	3	2	0	0	10:00	10:15	1	0	1	0
10:15	10:30	1	1	0	0	10:15	10:30	0	0	0	2
10:30	10:45	1	3	0	0	10:30	10:45	1	1	2	0
10:45	11:00	0	0	0	0	10:45	11:00	3	2	1	0
11:00	11:15	1	0	0	0	11:00	11:15	1	2	0	0
11:15	11:30	2	1	1	0	11:15	11:30	1	2	0	0
11:30	11:45	1	2	0	0	11:30	11:45	0	3	0	0
11:45	12:00	4	3	0	0	11:45	12:00	2	0	0	0
12:00	12:15	0	0	0	0	12:00	12:15	0	2	0	0
12:15	12:30	1	0	0	0	12:15	12:30	2	3	0	0
12:30	12:45	1	3	0	0	12:30	12:45	2	1	2	0
12:45	13:00	1	0	0	0	12:45	13:00	1	2	0	0
13:00	13:15	3	0	1	0	13:00	13:15	0	0	0	0
13:15	13:30	2	4	0	0	13:15	13:30	0	0	0	0
13:30	13:45	3	2	0	0	13:30	13:45	0	0	0	0
13:45	14:00	3	1	0	0	13:45	14:00	1	1	0	0
14:00	14:15	1	2	0	0	14:00	14:15	0	1	0	0
14:15	14:30	1	1	0	0	14:15	14:30	0	0	0	0
14:30	14:45	2	4	0	0	14:30	14:45	2	2	0	0
14:45	15:00	1	0	0	0	14:45	15:00	0	1	0	0
15:00	15:15	1	3	0	0	15:00	15:15	0	0	0	0
15:15	15:30	4	4	0	0	15:15	15:30	1	0	0	0
15:30	15:45	3	1	0	0	15:30	15:45	0	0	0	0
15:45	16:00	1	3	0	0	15:45	16:00	0	0	0	0
16:00	16:15	2	5	1	0	16:00	16:15	1	0	1	0
16:15	16:30	2	2	0	0	16:15	16:30	0	0	0	0
16:30	16:45	0	1	0	0	16:30	16:45	1	0	0	0
16:45	17:00	0	1	0	0	16:45	17:00	0	0	1	0
Total		49	53	4	0	Total		25	25	8	2

15		Cars In	Cars Out	Peds	Diovolos
minute		Cars in	Cars Out	reas	Bicycles
Start	End				
9:00	9:15	0	0	0	0
9:15	9:30	2	0	0	0
9:30	9:45	3	2	0	0
9:45	10:00	0	0	0	0
10:00	10:15	1	0	1	0
10:15	10:30	0	0	0	2
10:30	10:45	1	1	2	0
10:45	11:00	3	2	1	0
11:00	11:15	1	2	0	0
11:15	11:30	1	2	0	0
11:30	11:45	0	3	0	0
11:45	12:00	2	0	0	0
12:00	12:15	0	2	0	0
12:15	12:30	2	3	0	0
12:30	12:45	2	1	2	0
12:45	13:00	1	2	0	0
13:00	13:15	0	0	0	0
13:15	13:30	0	0	0	0
13:30	13:45	0	0	0	0
13:45	14:00	1	1	0	0
14:00	14:15	0	1	0	0
14:15	14:30	0	0	0	0
14:30	14:45	2	2	0	0
14:45	15:00	0	1	0	0
15:00	15:15	0	0	0	0
15:15	15:30	1	0	0	0
15:30	15:45	0	0	0	0
15:45	16:00	0	0	0	0
16:00	16:15	1	0	1	0
16:15	16:30	0	0	0	0
16:30	16:45	1	0	0	0
16:45	17:00	0	0	1	0
Total		25	25	8	2

Sunday 28th July 2019					
15		Cars In	Cars Out	Peds	Bicycles
minute		Ours III	Jans Gut	i cus	Dicycles
Start	End				
9:00	9:15	1	0	0	0
9:15	9:30	1	1	0	0
9:30	9:45	0	1	0	0
9:45	10:00	1	0	0	0
10:00	10:15	0	1	0	0
10:15	10:30	0	0	0	0
10:30	10:45	0	0	0	0
10:45	11:00	1	0	0	0
11:00	11:15	0	1	0	0
11:15	11:30	2	0	0	0
11:30	11:45	0	2	0	0
11:45	12:00	2	0	0	0
12:00	12:15	1	0	0	0
12:15	12:30	0	0	0	0
12:30	12:45	1	2	0	0
12:45	13:00	1	1	0	0
13:00	13:15	1	0	0	0
13:15	13:30	1	3	0	0
13:30	13:45	0	1	0	0
13:45	14:00	0	0	0	0
14:00	14:15	1	1	0	0
14:15	14:30	0	0	0	0
14:30	14:45	1	0	0	0
14:45	15:00	0	0	0	0
15:00	15:15	0	0	0	0
15:15	15:30	0	0	0	0
15:30	15:45	0	0	0	0
15:45	16:00	0	0	0	0
16:00	16:15	1	2	0	0
16:15	16:30	0	0	0	0
16:30	16:45	0	0	0	0
16:45	17:00	0	0	0	0
Total		16	16	0	0

Site Location	Hands On Car Wash
Survey Date	14th, 15th June & 28th July 2019
Survey Period	9am-5pm
Main Traffic Flow	Balgownie Road
AM Peak Period	9:00am - 10:00am
PM Peak Period	3:15pm - 4:15pm

Frida	y 14th June	2019				
15 min Period		Eastbound		Westbound		Hourly Total
Start	End	Cars	Trucks	Cars	Trucks	
10:00 AM	10:15 AM	50	2	40	3	398
10:15 AM	10:30 AM	49	0	38	4	382
10:30 AM	10:45 AM	61	2	43	0	394
10:45 AM	11:00 AM	45	1	32	0	370
11:00 AM	11:15 AM	35	1	34	1	346
11:15 AM	11:30 AM	45	2	37	3	342
11:30 AM	11:45 AM	51	2	36	4	329
11:45 AM	12:00 PM	66	3	29	2	351
12:00 PM	12:15 PM	55	0	41	0	376
12:15 PM	12:30 PM	65	2	38	1	395
12:30 PM	12:45 PM	70	5	29	4	410
12:45 PM	1:00 PM	60	2	36	2	410
1:00 PM	1:15 PM	55	2	27	1	399
1:15 PM	1:30 PM	49	3	57	2	404
1:30 PM	1:45 PM	42	1	34	1	374
1:45 PM	2:00 PM	36	2	32	1	345
2:00 PM	2:15 PM	68	2	30	1	361
2:15 PM	2:30 PM	64	1	38	0	353
2:30 PM	2:45 PM	67	2	37	4	385
2:45 PM	3:00 PM	69	4	30	0	417
						464
						468
						471
4:00 PM	4:15 PM	62	1	39	1	449
4:15 PM	4:30 PM	82	0	29	1	454
4:30 PM	4:45 PM	80	2	39	1	463
4:45 PM	5:00 PM	79	0	36	1	453
AM Peak P	eriod	212	11	187	9	419
PM Peak P		280	2	208	4	494
Total		1897	55	1256	51	3259



AN FEAR FEITOU	9:15am - 10:15am	
PM Peak Period	12:30pm - 1:30pm	

Saturd	ay 15th Jun	e 2019				
15 min Period		Eastbound		Westbound		Hourly Total
Start	End	Cars	Trucks	Cars	Trucks	
9:00 AM	9:15 AM	39	1	36	0	
9:15 AM	9:30 AM	37	1	44	2	
9:30 AM	9:45 AM	62	1	42	2	
9:45 AM	10:00 AM	54	1	40	0	362
10:00 AM	10:15 AM	69	1	45	1	402
10:15 AM	10:30 AM	47	0	23	3	391
10:30 AM	10:45 AM	66	2	35	0	387
10:45 AM	11:00 AM	52	0	42	0	386
11:00 AM	11:15 AM	58	1	33	0	362
11:15 AM	11:30 AM	54	0	35	1	379
11:30 AM	11:45 AM	58	2	38	0	374
11:45 AM	12:00 PM	63	1	42	1	387
12:00 PM	12:15 PM	53	0	36	1	385
12:15 PM	12:30 PM	45	2	30	1	373
12:30 PM	12:45 PM	54	2	37	1	369
12:45 PM	1:00 PM	73	0	36	1	372
1:00 PM	1:15 PM	49	0	44	0	375
1:15 PM	1:30 PM	49	0	42	1	389
1:30 PM	1:45 PM	54	2	34	0	385
1:45 PM	2:00 PM	55	0	23	0	353
2:00 PM	2:15 PM	40	0	39	1	340
2:15 PM	2:30 PM	44	1	27	0	320
2:30 PM	2:45 PM	54	1	33	1	319
2:45 PM	3:00 PM	53	0	35	0	329
3:00 PM	3:15 PM	59	1	21	0	330
3:15 PM	3:30 PM	42	0	29	1	330
3:30 PM	3:45 PM	42	1	28	0	312
3:45 PM	4:00 PM	53	1	19	0	297
4:00 PM	4:15 PM	43	1	22	0	282
4:15 PM	4:30 PM	53	0	29	1	293
4:30 PM	4:45 PM	56	1	41	0	320
4:45 PM	5:00 PM	77	0	42	0	366
AM Peak F	Period	222	4	171	5	402
PM Peak F	Period	225	2	159	3	389
Total			24	1102	19	2852

IAIVI FEAR FEITOU	11:00am - 12:00pm	
PM Peak Period	12:15pm - 1:15pm	

Sunda	Sunday 28th July 2019					
15 min Period		Eastbound		Westbound		Hourly Total
Start	End	Cars	Trucks	Cars	Trucks	
9:00 AM	9:15 AM	23	0	29	0	
9:15 AM	9:30 AM	34	0	19	0	
9:30 AM	9:45 AM	38	0	42	1	
9:45 AM	10:00 AM	29	1	48	0	264
10:00 AM	10:15 AM	26	0	41	0	279
10:15 AM	10:30 AM	26	1	35	1	289
10:30 AM	10:45 AM	26	0	39	1	274
10:45 AM	11:00 AM	38	0	40	0	274
11:00 AM	11:15 AM	41	0	44	0	292
11:15 AM	11:30 AM	23	0	54	0	306
11:30 AM	11:45 AM	23	0	58	0	321
11:45 AM	12:00 PM	32	1	65	0	341
12:00 PM	12:15 PM	26	0	52	0	334
12:15 PM	12:30 PM	32	1	65	0	355
12:30 PM	12:45 PM	24	0	42	1	341
12:45 PM	1:00 PM	30	0	48	1	322
1:00 PM	1:15 PM	39	0	51	0	334
1:15 PM	1:30 PM	40	0	44	0	320
1:30 PM	1:45 PM	33	0	45	1	332
1:45 PM	2:00 PM	33	0	39	0	325
2:00 PM	2:15 PM	35	0	45	0	315
2:15 PM	2:30 PM	22	1	45	0	299
2:30 PM	2:45 PM	35	0	50	1	306
2:45 PM	3:00 PM	37	0	51	0	322
3:00 PM	3:15 PM	28	0	49	0	319
3:15 PM	3:30 PM	28	0	38	1	318
3:30 PM	3:45 PM	30	0	52	0	314
3:45 PM	4:00 PM	30	1	41	0	298
4:00 PM	4:15 PM	33	0	44	0	298
4:15 PM	4:30 PM	43	2	42	0	318
4:30 PM	4:45 PM	31	0	44	1	312
4:45 PM	5:00 PM	40	0	54	0	334
AM Peak F	Period	119	1	221	0	341
PM Peak F	Period	125	1	206	2	334
Total		1008	8	1455	9	2480



Car Wash Cafe Site Information	
Site Location	Stella Hand Car Wash & Table 1
Building Area m ²	1685
Year Opened	Unknown
Opening Times	7:30am-5pm Mon-Fri / 7:30am-3:30pm Sat & Sun
Type of Car Wash (Auto/Manual/Self/Etc)	Manual
Number of Employees per shift	Unknown
Surrounding Land Use	NA
Proximity to Public Transport	Yes
Survey Date	14th - 16th June 2019
Survey Period	7:30am-5pm
Number of Pedestrian Access Points	Unknown
Number of Vehicle Entry/Exit Points	Unknown
Number of On-Site Parking Bays (Including bicycle parking)	23
Number of Loading bays	Unknown
Number of Car Wash Bays	4
Number of Hybrid/Electric Bays	Unknown
Number of Disabled Bays	Unknown
Number of Bicycle Parking Bays	Unknown
Number of Staff Parking Bays	Unknown
Traffic Surveyor Comments (eg. Local issues?, Roadworks?, Closed Areas?, Disability Acess?, etc)	



	14th June	2019			
15		Cars In	Cars Out	Peds	Bicycles
minute		Our o III	Our 5 Out	1 000	Bioyolos
Start	End				
7:30	7:45	6	8	0	0
7:45	8:00	7	3	1	0
8:00	8:15	8	7	0	0
8:15	8:30	5	4	0	0
8:30	8:45	2	1	0	0
8:45	9:00	5	2	0	0
9:00	9:15	5	4	2	0
9:15	9:30	3	5	0	0
9:30	9:45	10	8	0	0
9:45	10:00	9	5	3	0
10:00	10:15	6	8	0	0
10:15	10:30	4	7	0	0
10:30	10:45	7	4	0	0
10:45	11:00	2	7	0	0
11:00	11:15	3	5	0	0
11:15	11:30	4	3	0	0
11:30	11:45	3	4	0	0
11:45	12:00	5	3	0	0
12:00	12:15	7	9	0	0
12:15	12:30	1	2	0	0
12:30	12:45	2	1	0	0
12:45	13:00	5	1	0	0
13:00	13:15	4	2	0	0
13:15	13:30	4	3	0	0
13:30	13:45	2	1	0	0
13:45	14:00	0	3	0	0
14:00	14:15	1	3	0	0
14:15	14:30	4	9	0	0
14:30	14:45	0	3	0	0
14:45	15:00	1	1	0	0
15:00	15:15	2	5	0	0
15:15	15:30	3	5	0	0
15:30	15:45	1	2	0	0
15:45	16:00	1	1	0	0
16:00	16:15	0	0	0	0
16:15	16:30	0	0	0	0
16:30	16:45	0	2	0	0
16:45	17:00	0	1	0	0
Total		132	142	6	0

start 7:30 7:45 8:00 8:15 8:30 8:45 9:00 9:15 9:30 9:45	End 7:45 8:00 8:15 8:30 8:45 9:00 9:15 9:30 9:45	2 2 4 6 7 11 7 7	1 2 2 9 2 4 4 4	1 1 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0
7:30 7:45 8:00 8:15 8:30 8:45 9:00 9:15	7:45 8:00 8:15 8:30 8:45 9:00 9:15 9:30	2 4 6 7 11 7	2 2 9 2 4	1 2 1 0	0 0 0
7:45 8:00 8:15 8:30 8:45 9:00 9:15	8:00 8:15 8:30 8:45 9:00 9:15 9:30	2 4 6 7 11 7	2 2 9 2 4	1 2 1 0	0 0 0
8:00 8:15 8:30 8:45 9:00 9:15 9:30	8:15 8:30 8:45 9:00 9:15 9:30	4 6 7 11 7	2 9 2 4	2 1 0	0
8:15 8:30 8:45 9:00 9:15 9:30	8:30 8:45 9:00 9:15 9:30	6 7 11 7	9 2 4	1	0
8:30 8:45 9:00 9:15 9:30	8:45 9:00 9:15 9:30	7 11 7	2 4	0	_
8:45 9:00 9:15 9:30	9:00 9:15 9:30	11 7	4		^
9:00 9:15 9:30	9:15 9:30	7		_	0
9:15 9:30	9:30	_	1	2	0
9:30		7	4	1	0
	9:45	ı	4	0	0
9:45	_	16	15	1	0
0.10	10:00	7	5	4	0
10:00	10:15	7	6	4	0
10:15	10:30	3	5	0	0
10:30	10:45	5	7	0	0
10:45	11:00	7	9	0	0
11:00	11:15	7	12	1	0
11:15	11:30	7	3	0	0
11:30	11:45	12	11	4	0
11:45	12:00	5	6	1	0
12:00	12:15	2	8	0	0
12:15	12:30	5	6	1	0
12:30	12:45	5	6	0	0
12:45	13:00	2	6	0	0
13:00	13:15	4	2	2	0
13:15	13:30	10	9	0	0
13:30	13:45	3	4	0	0
13:45	14:00	1	3	0	0
14:00	14:15	0	4	0	0
14:15	14:30	0	0	0	0
14:30	14:45	4	5	1	0
14:45	15:00	1	3	1	0
15:00	15:15	4	4	0	0
15:15	15:30	1	4	0	0
Total		164	171	28	0

	Sunday 16th June 2019							
15		Cars In	Cars Out	Peds	Bicycles			
minute		Oars III	Cars Out	i cus	Dicycles			
Start	End				_			
7:30	7:45	6	1	0	0			
7:45	8:00	3	1	4	0			
8:00	8:15	1	1	0	0			
8:15	8:30	2	0	3	0			
8:30	8:45	3	2	0	0			
8:45	9:00	8	3	5	0			
9:00	9:15	6	2	3	0			
9:15	9:30	2	3	3	0			
9:30	9:45	8	8	2	0			
9:45	10:00	7	3	0	0			
10:00	10:15	14	7	3	0			
10:15	10:30	15	9	3	0			
10:30	10:45	15	13	0	0			
10:45	11:00	2	10	0	0			
11:00	11:15	8	7	1	0			
11:15	11:30	10	7	0	0			
11:30	11:45	9	9	1	0			
11:45	12:00	5	6	2	0			
12:00	12:15	10	9	0	0			
12:15	12:30	2	6	0	0			
12:30	12:45	6	6	0	0			
12:45	13:00	5	11	3	0			
13:00	13:15	8	6	0	0			
13:15	13:30	1	2	2	0			
13:30	13:45	0	7	0	0			
13:45	14:00	1	7	0	0			
14:00	14:15	2	4	0	0			
14:15	14:30	3	4	2	0			
14:30	14:45	2	2	1	0			
14:45	15:00	1	5	0	0			
15:00	15:15	0	0	0	0			
15:15	15:30	1	3	0	0			
Total		166	164	38	0			

Site Location	Stella Hand Car Wash & Table 1		
Survey Date	21st-23rd June 2019		
Survey Period	6am-7pm		
Main Traffic Flow	City Road		
AM Peak Period	7:45am - 8:45am		
PM Peak Period	3:45pm - 4:45pm		

Frida	y 14th June	2019				
15 min Period		Westbound		Eastbound		Hourly Total
Start	End	Cars	Trucks	Cars	Trucks	
7:30 AM	7:45 AM	143	5	394	16	
7.00 7 1111	7.107111	1 10		001	10	
						2578
8:45 AM	9:00 AM	177	10	392	13	2525
9:00 AM	9:15 AM	175	6	350	9	2422
9:15 AM	9:30 AM	170	9	279	6	2173
9:30 AM	9:45 AM	171	6	230	6	2009
9:45 AM	10:00 AM	158	7	223	7	1812
10:00 AM	10:15 AM	171	10	186	3	1642
10:15 AM	10:30 AM	144	8	201	11	1542
10:30 AM	10:45 AM	199	8	183	5	1524
10:45 AM	11:00 AM	187	9	160	7	1492
11:00 AM	11:15 AM	190	0	179	4	1495
11:15 AM	11:30 AM	176	7	191	8	1513
11:30 AM	11:45 AM	213	3	170	3	1507
11:45 AM	12:00 PM	206	9	192	4	1555
12:00 PM	12:15 PM	222	3	174	7	1588
12:15 PM	12:30 PM	165	8	168	5	1552
12:30 PM	12:45 PM	191	3	160	5	1522
12:45 PM	1:00 PM	215	9	178	6	1519
1:00 PM	1:15 PM	191	3	156	10	1473
1:15 PM	1:30 PM	201	5	174	7	1514
1:30 PM	1:45 PM	198	8	161	4	1526
1:45 PM	2:00 PM	217	8	205	10	1558
2:00 PM	2:15 PM	225	7	172	5	1607
2:15 PM	2:30 PM	270	10	156	2	1658
2:30 PM	2:45 PM	318	15	177	6	1803
2:45 PM	3:00 PM	255	6	224	5	1853
3:00 PM	3:15 PM	349	14	176	7	1990
3:15 PM	3:30 PM	361	4	219	5	2141
						2260
						2369
						2418
4:30 PM	4:45 PM	362	1	211	5	2398
4:45 PM	5:00 PM	356	2	254	3	2414
AM Peak P	eriod	798	33	1752	14	2597
PM Peak P	eriod	1465	31	935	23	2454
Total		8839	267	8982	231	18319



AM Peak Period	10:45am - 11:45am
PM Peak Period	12:00pm - 1:00pm

Saturda	ay 15th Jun	e 2019				
15 min Period		Westbound		Eastbound		Hourly Total
Start	End	Cars	Trucks	Cars	Trucks	
7:30 AM	7:45 AM	67	1	167	3	
7:45 AM	8:00 AM	74	4	177	4	
8:00 AM	8:15 AM	110	1	183	5	
8:15 AM	8:30 AM	119	4	176	2	1097
8:30 AM	8:45 AM	158	2	204	2	1225
8:45 AM	9:00 AM	184	2	245	1	1398
9:00 AM	9:15 AM	145	3	227	6	1480
9:15 AM	9:30 AM	193	3	213	2	1590
9:30 AM	9:45 AM	228	1	212	5	1670
9:45 AM	10:00 AM	202	1	240	4	1685
10:00 AM	10:15 AM	198	4	215	0	1721
10:15 AM	10:30 AM	231	0	234	0	1775
10:30 AM	10:45 AM	216	6	221	0	1772
10:45 AM	11:00 AM	268	5	238	2	1838
11:00 AM	11:15 AM	281	3	247	1	1953
11:15 AM	11:30 AM	237	3	214	0	1942
11:30 AM	11:45 AM	272	0	256	4	2031
11:45 AM	12:00 PM	242	2	236	4	2002
12:00 PM	12:15 PM	339	4	206	1	2020
12:15 PM	12:30 PM	279	2	289	0	2136
12:30 PM	12:45 PM	278	6	272	1	2161
12:45 PM	1:00 PM	251	4	266	3	2201
1:00 PM	1:15 PM	226	3	213	4	2097
1:15 PM	1:30 PM	283	2	236	0	2048
1:30 PM	1:45 PM	246	2	207	1	1947
1:45 PM	2:00 PM	252	1	229	0	1905
2:00 PM	2:15 PM	210	0	231	0	1900
2:15 PM	2:30 PM	233	0	232	0	1844
2:30 PM	2:45 PM	279	0	227	1	1895
2:45 PM	3:00 PM	219	2	193	1	1828
3:00 PM	3:15 PM	238	1	192	1	1819
3:15 PM	3:30 PM	195	2	175	1	1727
AM Peak I	Period	1058	11	955	7	2031
PM Peak F	Period	1147	16	1033	5	2201
Total		6953	74	7073	59	14159

AIVI Peak Period	11:00am - 12:00pm
PM Peak Period	12:15pm - 1:15pm

Sunda	y 16th June	e 2019				
15 min Period		Westbound		Eastbound		Hourly Total
Start	End	Cars	Trucks	Cars	Trucks	
7:30 AM	7:45 AM	37	1	63	0	
7:45 AM	8:00 AM	53	0	67	2	
8:00 AM	8:15 AM	60	3	65	0	
8:15 AM	8:30 AM	57	0	115	0	523
8:30 AM	8:45 AM	72	1	133	2	630
8:45 AM	9:00 AM	98	1	147	0	754
9:00 AM	9:15 AM	98	0	129	1	854
9:15 AM	9:30 AM	136	0	153	0	971
9:30 AM	9:45 AM	130	1	133	1	1028
9:45 AM	10:00 AM	154	2	171	2	1111
10:00 AM	10:15 AM	191	0	150	4	1228
10:15 AM	10:30 AM	171	0	133	1	1244
10:30 AM	10:45 AM	177	2	200	2	1360
10:45 AM	11:00 AM	174	2	189	2	1398
						1406
						1516
						1540
12:00 PM	12:15 PM	196	6	186	2	1594
						1602
						1619
						1653
1:15 PM	1:30 PM	210	0	174	0	1639
1:30 PM	1:45 PM	220	2	146	0	1585
1:45 PM	2:00 PM	178	1	183	0	1529
2:00 PM	2:15 PM	203	2	167	1	1487
2:15 PM	2:30 PM	206	0	182	0	1491
2:30 PM	2:45 PM	198	0	148	1	1470
2:45 PM	3:00 PM	186	3	185	0	1482
3:00 PM	3:15 PM	201	3	151	0	1464
3:15 PM	3:30 PM	191	2	149	0	1418
ANA Darak S	ام منام ما	004		745		4557
AM Peak F		804	5	745	3	1557
PM Peak F	erioa	880	6	790	2	1678
Total		5281	43	5054	26	10404



Car Wash Cafe Site Information	
Site Location	Blanc Noir Hand Wash Cafe
Building Area m ²	
Year Opened	
Opening Times	8:00am-5:30pm
Type of Car Wash (Auto/Manual/Self/Etc	
Number of Employees per shift	
Surrounding Land Use	
Proximity to Public Transport	
Survey Date	14th, 15th June & 28th July 2019
Survey Period	8:00am-5:30pm
Number of Pedestrian Access Points	
Number of Vehicle Entry/Exit Points	
Number of On-Site Parking Bays (Including bicycle parking)	
Number of Loading bays	
Number of Car Wash Bays	
Number of Hybrid/Electric Bays	
Number of Disabled Bays	
Number of Bicycle Parking Bays	
Number of Staff Parking Bays	
Traffic Surveyor Comments (eg. Local issues?, Roadworks?, Closed Areas?, Disability Acess?, etc)	

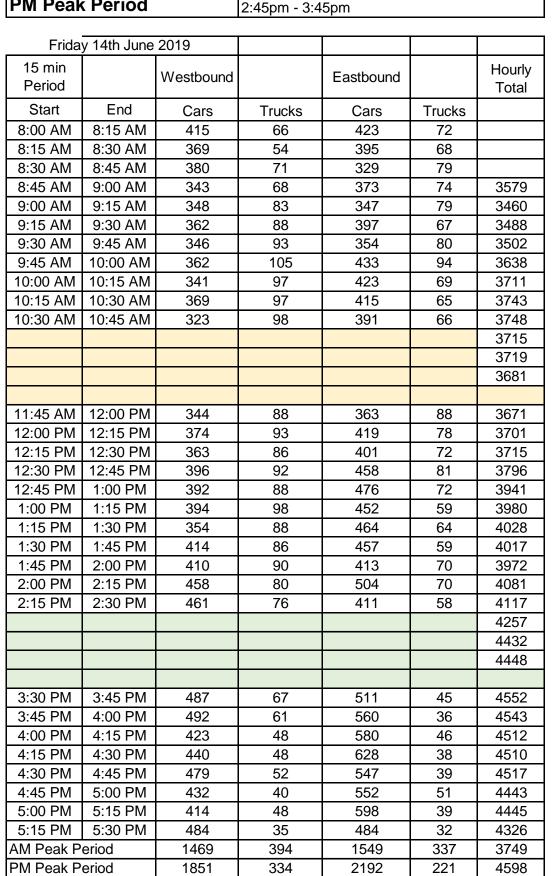


Friday	14th June	2019			
15		Cars In	Cars Out	Peds	Ricycles
minute		Carsin	Cars Out	reus	Bicycles
Start	End				
8:00	8:15	0	0	0	0
8:15	8:30	0	0	0	0
8:30	8:45	0	0	0	0
8:45	9:00	0	0	0	0
9:00	9:15	2	2	1	0
9:15	9:30	2	0	0	0
9:30	9:45	2	1	0	0
9:45	10:00	0	3	0	0
10:00	10:15	2	0	0	0
10:15	10:30	1	0	0	0
10:30	10:45	1	2	0	0
10:45	11:00	1	1	0	0
11:00	11:15	2	1	0	0
11:15	11:30	3	0	0	0
11:30	11:45	0	3	0	0
11:45	12:00	1	1	0	0
12:00	12:15	1	2	0	0
12:15	12:30	0	1	0	0
12:30	12:45	1	1	0	0
12:45	13:00	0	1	0	0
13:00	13:15	0	0	0	0
13:15	13:30	2	0	0	0
13:30	13:45	0	1	0	0
13:45	14:00	0	1	0	0
14:00	14:15	1	0	0	0
14:15	14:30	1	1	0	0
14:30	14:45	1	0	0	0
14:45	15:00	0	1	0	0
15:00	15:15	1	1	0	0
15:15	15:30	0	1	0	0
15:30	15:45	1	0	0	0
15:45	16:00	0	1	0	0
16:00	16:15	1	0	0	0
16:15	16:30	0	0	0	0
16:30	16:45	0	1	0	0
16:45	17:00	0	1	0	0
17:00	17:15	0	0	0	0
17:15	17:30	0	0	0	0
Total		27	28	1	0

15		Cars In	Cars Out	Peds	Bicycle
minute		Oars III	Cars Out	i cus	Dicycle.
Start	End				
8:00	8:15	0	0	0	0
8:15	8:30	0	0	0	0
8:30	8:45	0	0	0	0
8:45	9:00	0	0	0	0
9:00	9:15	0	0	0	0
9:15	9:30	2	0	0	0
9:30	9:45	2	1	0	1
9:45	10:00	2	1	0	0
10:00	10:15	1	2	0	0
10:15	10:30	1	1	0	0
10:30	10:45	0	1	0	0
10:45	11:00	1	2	0	0
11:00	11:15	1	0	0	0
11:15	11:30	0	2	0	0
11:30	11:45	0	0	0	0
11:45	12:00	2	1	0	0
12:00	12:15	4	2	0	0
12:15	12:30	2	1	0	0
12:30	12:45	1	1	0	0
12:45	13:00	0	2	0	0
13:00	13:15	0	2	0	0
13:15	13:30	2	0	0	0
13:30	13:45	0	0	0	0
13:45	14:00	0	1	0	0
14:00	14:15	2	1	0	0
14:15	14:30	0	0	0	0
14:30	14:45	0	2	0	0
14:45	15:00	0	0	0	0
15:00	15:15	1	0	0	0
15:15	15:30	0	0	0	0
15:30	15:45	5	1	0	0
15:45	16:00	0	1	0	0
16:00	16:15	2	0	0	0
16:15	16:30	0	0	0	0
16:30	16:45	0	2	0	0
16:45	17:00	0	2	0	0
17:00	17:15	0	2	0	0
17:15	17:30	0	0	0	0
Total		31	31	0	1

Sunda	y 28th Jul	y 2019			
15		Cono la	Comp Out	Dada	Diameter
minute		Cars In	Cars Out	Peds	Bicycles
Start	End				
8:00	8:15	0	0	0	0
8:15	8:30	2	0	1	0
8:30	8:45	2	0	1	0
8:45	9:00	0	1	0	0
9:00	9:15	0	1	0	0
9:15	9:30	2	1	0	0
9:30	9:45	0	0	0	0
9:45	10:00	2	2	0	0
10:00	10:15	0	0	0	0
10:15	10:30	0	0	0	0
10:30	10:45	0	2	0	0
10:45	11:00	0	0	0	0
11:00	11:15	3	1	0	0
11:15	11:30	1	2	0	0
11:30	11:45	1	1	0	0
11:45	12:00	1	3	0	0
12:00	12:15	4	0	0	0
12:15	12:30	0	0	0	0
12:30	12:45	2	3	0	0
12:45	13:00	0	2	0	0
13:00	13:15	1	0	0	0
13:15	13:30	2	3	0	0
13:30	13:45	1	0	0	0
13:45	14:00	2	1	0	0
14:00	14:15	1	1	0	0
14:15	14:30	1	2	0	0
14:30	14:45	2	1	0	0
14:45	15:00	0	1	0	0
15:00	15:15	4	1	0	0
15:15	15:30	2	0	0	0
15:30	15:45	1	2	0	0
15:45	16:00	2	0	0	0
16:00	16:15	0	2	0	0
16:15	16:30	1	0	0	0
16:30	16:45	1	1	0	0
16:45	17:00	0	2	0	0
17:00	17:15	0	1	0	0
17:15	17:30	0	3	0	0
Total		41	40	2	0

Site Location	Blanc Noir Hand wash Café
Survey Date	14th, 15th June & 28th July 2019
Survey Period	8am-5:30pm
Main Traffic Flow	Pennant Hills Road (Cumberland H'way)
AM Peak Period	10:45am - 11:45am
PM Peak Period	2:45nm 2:45nm



15289 3012 17299 2468 38068

Total



AM Peak Period	10:45am - 11:45am
PM Peak Period	12:00pm - 1:00pm

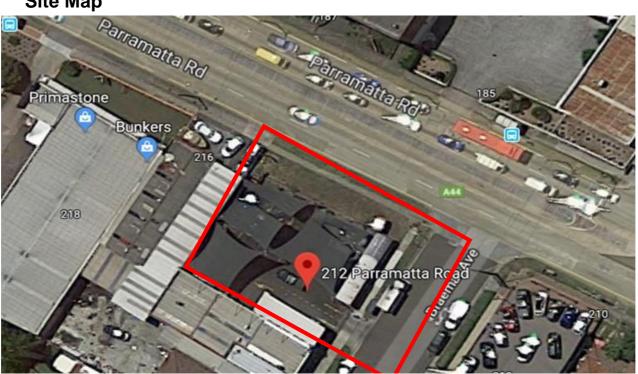
	ay 15th Jun	e 2019					
15 min Period		Westbound		Eastbound		Hourly Total	
Start	End	Cars	Trucks	Cars	Trucks		
8:00 AM	8:15 AM	371	30	355	30		
8:15 AM	8:30 AM	383	27	469	40		
8:30 AM	8:45 AM	359	33	417	31		
8:45 AM	9:00 AM	397	31	464	28	3465	
9:00 AM	9:15 AM	424	25	422	37	3587	
9:15 AM	9:30 AM	440	28	437	25	3598	
9:30 AM	9:45 AM	459	27	468	30	3742	
9:45 AM	10:00 AM	501	51	568	30	3972	
10:00 AM	10:15 AM	534	37	478	32	4145	
10:15 AM	10:30 AM	441	29	480	35	4200	
10:30 AM	10:45 AM	471	23	559	32	4301	
10:45 AM	11:00 AM	462	31	565	26	4235	
11:00 AM	11:15 AM	528	33	579	38	4332	
11:15 AM	11:30 AM	542	25	563	45	4522	
11:30 AM	11:45 AM	497	33	577	36	4580	
11:45 AM	12:00 PM	489	37	531	24	4577	
12:00 PM	12:15 PM	464	26	599	30	4518	
12:15 PM	12:30 PM	498	38	654	34	4567	
12:30 PM	12:45 PM	547	23	611	37	4642	
12:45 PM	1:00 PM	550	38	532	23	4704	
1:00 PM	1:15 PM	434	31	550	34	4634	
1:15 PM	1:30 PM	523	33	579	29	4574	
1:30 PM	1:45 PM	504	30	529	20	4439	
1:45 PM	2:00 PM	488	24	610	27	4445	
2:00 PM	2:15 PM	491	26	520	33	4466	
2:15 PM	2:30 PM	501	24	499	28	4354	
2:30 PM	2:45 PM	509	23	527	19	4349	
2:45 PM	3:00 PM	438	21	577	26	4262	
3:00 PM	3:15 PM	603	18	537	20	4370	
3:15 PM	3:30 PM	542	12	525	15	4412	
3:30 PM	3:45 PM	516	25	502	22	4399	
3:45 PM	4:00 PM	517	14	544	21	4433	
4:00 PM	4:15 PM	581	18	532	12	4398	
4:15 PM	4:30 PM	540	14	534	21	4413	
4:30 PM	4:45 PM	611	10	473	14	4456	
4:45 PM	5:00 PM	565	20	521	16	4482	
5:00 PM	5:15 PM	568	14	512	18	4451	
5:15 PM	5:30 PM	569	13	501	27	4452	
AM Peak P	eriod	2029	122	2284	145	4580	
PM Peak P	eriod	2059	125	2396	124	4704	
Total		18857	995	19900	1045	40797	

AIVI PEAK PERIOD	11:00am - 12:00pm
PM Peak Period	3:45pm - 4:45pm

Sunda	ay 28th July	2019				
15 min Period		Westbound		Eastbound		Hourly Total
Start	End	Cars	Trucks	Cars	Trucks	
8:00 AM	8:15 AM	256	12	218	10	
8:15 AM	8:30 AM	307	8	196	16	
8:30 AM	8:45 AM	395	6	304	13	
8:45 AM	9:00 AM	447	13	296	7	2504
9:00 AM	9:15 AM	462	12	352	12	2846
9:15 AM	9:30 AM	520	13	359	13	3224
9:30 AM	9:45 AM	526	11	432	9	3484
9:45 AM	10:00 AM	580	15	460	10	3786
10:00 AM	10:15 AM	584	10	404	5	3951
10:15 AM	10:30 AM	512	8	463	9	4038
10:30 AM	10:45 AM	512	10	521	12	4115
10:45 AM	11:00 AM	578	10	504	12	4154
11:00 AM	11:15 AM	567	9	565	9	4301
11:15 AM	11:30 AM	619	17	598	17	4560
11:30 AM	11:45 AM	570	15	601	14	4705
11:45 AM	12:00 PM	554	19	594	10	4778
12:00 PM	12:15 PM	633	13	677	18	4969
12:15 PM	12:30 PM	623	17	595	13	4966
12:30 PM	12:45 PM	520	12	615	13	4926
12:45 PM	1:00 PM	513	20	567	10	4859
1:00 PM	1:15 PM	585	17	588	15	4723
1:15 PM	1:30 PM	584	19	626	14	4718
1:30 PM	1:45 PM	578	13	569	17	4735
1:45 PM	2:00 PM	509	11	557	13	4715
2:00 PM	2:15 PM	511	10	555	17	4603
2:15 PM	2:30 PM	583	23	600	16	4582
2:30 PM	2:45 PM	539	12	575	11	4542
2:45 PM	3:00 PM	579	12	602	13	4658
3:00 PM	3:15 PM	516	15	670	9	4775
3:15 PM	3:30 PM	625	5	659	12	4854
3:30 PM	3:45 PM	511	13	573	11	4825
3:45 PM	4:00 PM	610	15	621	8	4873
4:00 PM	4:15 PM	592	18	656	16	4945
4:15 PM	4:30 PM	553	10	735	11	4953
4:30 PM	4:45 PM	603	12	619	13	5092
4:45 PM	5:00 PM	503	8	637	12	4998
5:00 PM	5:15 PM	566	14	652	11	4959
5:15 PM	5:30 PM	473	15	622	14	4774
AM Peak F	Period	2310	60	2358	50	4778
PM Peak P	Period	2358	55	2631	48	5092
Total		20298	492	20437	465	41692



Car Wash Cafe Site Information	
Site Location	Xibit Car wash Café
Building Area m ²	
Year Opened	
Opening Times	8:00am-5:30pm Weekdays, 8:00am - 5:00pm Weekends
Type of Car Wash (Auto/Manual/Self/Etc)	
Number of Employees per shift	
Surrounding Land Use	
Proximity to Public Transport	
Survey Date	14th, 15th June & 28th July 2019
Survey Period	8:00am-5:30pm Friday, 8:00am - 5:00pm Sat & Sun
Number of Pedestrian Access Points	
Number of Vehicle Entry/Exit Points	
Number of On-Site Parking Bays (Including bicycle parking)	
Number of Loading bays	
Number of Car Wash Bays	
Number of Hybrid/Electric Bays	
Number of Disabled Bays	
Number of Bicycle Parking Bays	
Number of Staff Parking Bays	
Traffic Surveyor Comments (eg. Local issues?, Roadworks?, Closed Areas?, Disability Acess?, etc)	



Friday	14th June	e 2019				Saturd	ay 15th Ju	ne 2019			
15 minute		Cars In	Cars Out	Peds	Bicycles	15 minute		Cars In	Cars Out	Peds	Bicycles
Start	End					Start	End				
8:00	8:15	1	0	4	0	8:00	8:15	0	0	5	0
8:15	8:30	1	0	2	0	8:15	8:30	2	0	2	0
8:30	8:45	2	0	0	0	8:30	8:45	1	1	0	0
8:45	9:00	1	1	1	0	8:45	9:00	0	0	1	0
9:00	9:15	0	1	1	0	9:00	9:15	0	1	0	0
9:15	9:30	1	0	0	0	9:15	9:30	2	0	0	0
9:30	9:45	1	0	0	0	9:30	9:45	1	1	0	0
9:45	10:00	3	0	1	0	9:45	10:00	1	0	0	0
10:00	10:15	0	2	1	0	10:00	10:15	0	1	0	0
10:15	10:30	0	2	0	0	10:15	10:30	1	0	0	0
10:30	10:45	3	0	0	0	10:30	10:45	2	3	0	0
10:45	11:00	1	1	0	0	10:45	11:00	2	2	3	0
11:00	11:15	1	2	0	0	11:00	11:15	1	2	0	0
11:15	11:30	0	3	1	0	11:15	11:30	0	0	0	0
11:30	11:45	1	1	0	0	11:30	11:45	2	1	0	0
11:45	12:00	0	0	0	0	11:45	12:00	1	1	4	0
12:00	12:15	0	1	0	0	12:00	12:15	1	0	1	0
12:15	12:30	1	0	0	0	12:15	12:30	1	2	1	0
12:30	12:45	2	1	0	0	12:30	12:45	1	1	1	0
12:45	13:00	0	1	0	0	12:45	13:00	1	0	0	0
13:00	13:15	3	0	0	0	13:00	13:15	2	1	0	0
13:15	13:30	1	2	0	0	13:15	13:30	1	2	0	0
13:30	13:45	1	3	0	0	13:30	13:45	1	1	0	0
13:45	14:00	2	1	0	0	13:45	14:00	2	2	2	0
14:00	14:15	1	1	0	0	14:00	14:15	0	1	0	0
14:15	14:30	0	1	1	0	14:15	14:30	1	1	1	0
14:30	14:45	2	2	0	0	14:30	14:45	4	1	0	0
14:45	15:00	1	2	0	0	14:45	15:00	0	2	0	0
15:00	15:15	1	2	0	0	15:00	15:15	1	1	1	0
15:15	15:30	2	2	0	0	15:15	15:30	1	1	0	0
15:30	15:45	1	1	0	0	15:30	15:45	3	1	0	0
15:45	16:00	0	2	0	0	15:45	16:00	4	1	0	0
16:00	16:15	1	2	0	0	16:00	16:15	4	1	0	0
16:15	16:30	0	2	0	0	16:15	16:30	0	4	0	0
16:30	16:45	1	1	0	0	16:30	16:45	1	5	0	0
16:45	17:00	2	2	0	0	16:45	17:00	0	1	1	0
17:00	17:15	0	1	1	0						
17:15	17:30	0	2	0	0						
13 Hr Total		38	45	13	0	13 Hr Tota	ıl	45	42	23	0

15		Cars In	Cars Out	Peds	Bicycles
minute		Ouro III		i cuo	Bioyolos
Start	End				
8:00	8:15	0	0	5	0
8:15	8:30	2	0	2	0
8:30	8:45	1	1	0	0
8:45	9:00	0	0	1	0
9:00	9:15	0	1	0	0
9:15	9:30	2	0	0	0
9:30	9:45	1	1	0	0
9:45	10:00	1	0	0	0
10:00	10:15	0	1	0	0
10:15	10:30	1	0	0	0
10:30	10:45	2	3	0	0
10:45	11:00	2	2	3	0
11:00	11:15	1	2	0	0
11:15	11:30	0	0	0	0
11:30	11:45	2	1	0	0
11:45	12:00	1	1	4	0
12:00	12:15	1	0	1	0
12:15	12:30	1	2	1	0
12:30	12:45	1	1	1	0
12:45	13:00	1	0	0	0
13:00	13:15	2	1	0	0
13:15	13:30	1	2	0	0
13:30	13:45	1	1	0	0
13:45	14:00	2	2	2	0
14:00	14:15	0	1	0	0
14:15	14:30	1	1	1	0
14:30	14:45	4	1	0	0
14:45	15:00	0	2	0	0
15:00	15:15	1	1	1	0
15:15	15:30	1	1	0	0
15:30	15:45	3	1	0	0
15:45	16:00	4	1	0	0
16:00	16:15	4	1	0	0
16:15	16:30	0	4	0	0
16:30	16:45	1	5	0	0
16:45	17:00	0	1	1	0
10.40	17.00	Ŭ	'	'	Ŭ
3 Hr Total		45	42	23	0

Sunda	y 28th Jul	y 2019			
15		Caralin	Cars Out	Dodo	Biovolog
minute		Cars In	Cars Out	Peds	Bicycles
Start	End				
8:00	8:15	1	0	0	0
8:15	8:30	0	0	0	0
8:30	8:45	3	0	0	0
8:45	9:00	1	0	0	0
9:00	9:15	3	3	0	0
9:15	9:30	2	1	0	0
9:30	9:45	0	3	0	0
9:45	10:00	2	2	0	0
10:00	10:15	0	2	0	0
10:15	10:30	1	0	0	0
10:30	10:45	1	2	0	0
10:45	11:00	1	1	0	0
11:00	11:15	0	1	0	0
11:15	11:30	3	0	0	0
11:30	11:45	3	2	0	0
11:45	12:00	1	1	0	0
12:00	12:15	2	1	0	0
12:15	12:30	3	1	2	0
12:30	12:45	1	2	5	0
12:45	13:00	1	4	1	0
13:00	13:15	1	5	0	0
13:15	13:30	2	3	0	0
13:30	13:45	1	1	0	0
13:45	14:00	2	2	0	0
14:00	14:15	1	1	1	0
14:15	14:30	2	0	0	0
14:30	14:45	2	2	0	0
14:45	15:00	1	2	2	0
15:00	15:15	4	1	0	0
15:15	15:30	2	3	0	0
15:30	15:45	1	2	0	0
15:45	16:00	3	1	0	0
16:00	16:15	0	2	0	0
16:15	16:30	1	1	0	0
16:30	16:45	0	2	0	0
16:45	17:00	1	1	0	0
13 Hr Total		53	55	11	0

Site Location	Xibit Car Wash Café
Survey Date	14th, 15th June & 28th July 2019
Survey Period	8am-5pm Sat &
Main Traffic Flow	Parramatta Road
AM Peak Period	11:00am - 12:00pm
PM Peak Period	1:45pm - 2:45pm

Frida	y 14th June	2019					Satu	day 15th Jur	ne 2019		Ι		
15 min Period		Westbound		Eastbound		Hourly Total	15 min Period		Westbound		Eastbound		Hourly Total
Start	End	Cars	Trucks	Cars	Trucks		Start	End	Cars	Trucks	Cars	Trucks	
8:00 AM	8:15 AM	246	32	290	39		8:00 AM	8:15 AM	251	11	221	15	
8:15 AM	8:30 AM	279	24	281	32		8:15 AM	_	259	21	276	19	
8:30 AM	8:45 AM	295	33	259	35		8:30 AM		282	15	284	13	
8:45 AM	9:00 AM	302	34	255	35	2471	8:45 AM		279	18	247	15	2226
9:00 AM	9:15 AM	276	38	268	39	2485	9:00 AM	_	296	18	258	12	2312
9:15 AM	9:30 AM	277	43	268	36	2493	9:15 AM	_	274	13	326	12	2362
9:30 AM	9:45 AM	284	34	257	44	2490	9:30 AM	9:45 AM	331	14	321	16	2450
9:45 AM	10:00 AM	251	39	249	31	2434	9:45 AM	10:00 AM	315	10	257	17	2490
10:00 AM	10:15 AM	274	42	256	35	2420	10:00 A	1 10:15 AM	301	13	315	8	2543
10:15 AM	10:30 AM	279	39	279	37	2430	10:15 AN	1 10:30 AM	354	11	298	7	2588
10:30 AM	10:45 AM	253	42	250	42	2398	10:30 AM	1 10:45 AM	369	18	329	9	2631
10:45 AM	11:00 AM	268	38	273	44	2451	10:45 AN	/ 11:00 AM	377	6	300	10	2725
						2485	11:00 AM	1 11:15 AM	357	16	329	6	2796
						2476	11:15 AN	11:30 AM	349	11	327	6	2819
						2496	11:30 AM	11:45 AM	394	12	341	10	2851
							11:45 AN	1 12:00 PM	370	9	330	7	2874
12:00 PM	12:15 PM	280	43	258	27	2465	12:00 PM	1 12:15 PM	367	10	276	6	2825
12:15 PM	12:30 PM	302	41	251	32	2466	12:15 PM	1 12:30 PM	323	9	327	7	2798
12:30 PM	12:45 PM	278	30	286	36	2489	12:30 PM	1 12:45 PM	323	11	299	8	2682
12:45 PM	1:00 PM	276	45	271	26	2482	12:45 PM	1:00 PM	317	9	280	7	2579
1:00 PM	1:15 PM	303	25	277	43	2522	1:00 PM	1:15 PM	375	5	279	3	2582
1:15 PM	1:30 PM	289	38	285	25	2533	1:15 PM	1:30 PM	325	9	301	7	2558
1:30 PM						2531	1:30 PM	1:45 PM	276	7	309	7	2516
1:45 PM						2496	1:45 PM	2:00 PM	266	7	307	6	2489
2:00 PM						2524	2:00 PM	2:15 PM	273	6	287	8	2401
2:15 PM							2:15 PM	2:30 PM	313	3	338	7	2420
2:30 PM	2:45 PM	265	27	194	19	2435	2:30 PM	2:45 PM	298	5	335	5	2464
2:45 PM	3:00 PM	271	24	254	19	2420	2:45 PM	3:00 PM	284	7	371	4	2544
3:00 PM	3:15 PM	273	25	238	24	2304	3:00 PM	3:15 PM	255	6	322	5	2558
3:15 PM	3:30 PM	283	11	245	22	2194	3:15 PM	3:30 PM	241	3	366	3	2510
3:30 PM	3:45 PM	263	14	268	10	2244	3:30 PM	3:45 PM	226	6	305	4	2408
3:45 PM	4:00 PM	276	18	268	14	2252	3:45 PM	4:00 PM	233	4	319	9	2307
4:00 PM	4:15 PM	269	20	300	13	2294	4:00 PM	4:15 PM	290	8	378	2	2397
4:15 PM	4:30 PM	281	13	270	13	2310	4:15 PM	4:30 PM	267	3	339	3	2396
4:30 PM	4:45 PM	261	11	254	13	2294	4:30 PM	4:45 PM	355	2	325	3	2540
4:45 PM	5:00 PM	257	13	288	15	2291	4:45 PM	5:00 PM	281	3	364	6	2629
5:00 PM	5:15 PM	251	20	303	13	2276							
5:15 PM	5:30 PM	252	13	276	12	2252							
AM Peak P	eriod	1172	142	1048	136	2498	AM Peak	Period	1470	48	1327	29	2874
PM Peak P	eriod	1211	137	1112	98	2558	PM Peak	Period	1193	16	1406	14	2629
Total		10597	1148	10131	1059	22935	Total		11046	339	11186	292	22863



IAM Peak Period	11:00am - 12:00pm
PM Peak Period	4:00pm - 5:00pm

Saturd	ay 15th Jun	e 2019				
15 min		\^/ = = t = = =		C a a the a consid		Hourly
Period		Westbound		Eastbound		Total
Start	End	Cars	Trucks	Cars	Trucks	
8:00 AM	8:15 AM	251	11	221	15	
8:15 AM	8:30 AM	259	21	276	19	
8:30 AM	8:45 AM	282	15	284	13	
8:45 AM	9:00 AM	279	18	247	15	2226
9:00 AM	9:15 AM	296	18	258	12	2312
9:15 AM	9:30 AM	274	13	326	12	2362
9:30 AM	9:45 AM	331	14	321	16	2450
9:45 AM	10:00 AM	315	10	257	17	2490
10:00 AM	10:15 AM	301	13	315	8	2543
10:15 AM	10:30 AM	354	11	298	7	2588
10:30 AM	10:45 AM	369	18	329	9	2631
10:45 AM	11:00 AM	377	6	300	10	2725
11:00 AM	11:15 AM	357	16	329	6	2796
11:15 AM	11:30 AM	349	11	327	6	2819
11:30 AM	11:45 AM	394	12	341	10	2851
11:45 AM	12:00 PM	370	9	330	7	2874
12:00 PM	12:15 PM	367	10	276	6	2825
12:15 PM	12:30 PM	323	9	327	7	2798
12:30 PM	12:45 PM	323	11	299	8	2682
12:45 PM	1:00 PM	317	9	280	7	2579
1:00 PM	1:15 PM	375	5	279	3	2582
1:15 PM	1:30 PM	325	9	301	7	2558
1:30 PM	1:45 PM	276	7	309	7	2516
1:45 PM	2:00 PM	266	7	307	6	2489
2:00 PM	2:15 PM	273	6	287	8	2401
2:15 PM	2:30 PM	313	3	338	7	2420
2:30 PM	2:45 PM	298	5	335	5	2464
2:45 PM	3:00 PM	284	7	371	4	2544
3:00 PM	3:15 PM	255	6	322	5	2558
3:15 PM	3:30 PM	241	3	366	3	2510
3:30 PM	3:45 PM	226	6	305	4	2408
3:45 PM	4:00 PM	233	4	319	9	2307
4:00 PM	4:15 PM	290	8	378	2	2397
4:15 PM	4:30 PM	267	3	339	3	2396
4:30 PM	4:45 PM	355	2	325	3	2540
4:45 PM	5:00 PM	281	3	364	6	2629
AM Peak F	Poriod	1470	48	1327	29	2874
PM Peak F			16		14	
Total	enou	1193 11046	339	1406 11186	292	2629 22863
บเลเ		11040	ააყ	i iliön	292	ZZ003

AM Peak Period	11:00am - 12:00pm
PM Peak Period	12:00pm - 1:00pm

Sund	ay 28th July	, 2010				
	ay Zotii July	2019				
15 min		Westbound		Eastbound		Hourly
Period						Total
Start	End	Cars	Trucks	Cars	Trucks	
8:00 AM	8:15 AM	153	5	195	5	
8:15 AM	8:30 AM	195	4	192	9	
8:30 AM	8:45 AM	186	9	194	8	
8:45 AM	9:00 AM	230	4	205	9	1603
9:00 AM	9:15 AM	227	7	244	6	1729
9:15 AM	9:30 AM	267	8	306	4	1914
9:30 AM	9:45 AM	303	6	304	4	2134
9:45 AM	10:00 AM	302	7	333	4	2332
10:00 AM	10:15 AM	323	4	292	3	2470
10:15 AM	10:30 AM	270	8	320	7	2490
10:30 AM	10:45 AM	300	5	352	7	2537
10:45 AM	11:00 AM	312	3	349	4	2559
						2614
						2699
						2754
						2785
						2844
						2825
1:00 PM	1:15 PM	307	5	321	2	2812
1:15 PM	1:30 PM	311	2	256	4	2636
1:30 PM	1:45 PM	256	5	275	4	2476
1:45 PM	2:00 PM	271	1	256	4	2280
2:00 PM	2:15 PM	345	4	381	4	2379
2:15 PM	2:30 PM	327	4	310	5	2452
2:30 PM	2:45 PM	348	2	294	3	2559
2:45 PM	3:00 PM	311	4	374	4	2720
3:00 PM	3:15 PM	329	2	338	3	2658
3:15 PM	3:30 PM	339	3	320	3	2677
3:30 PM	3:45 PM	334	5	353	3	2725
3:45 PM	4:00 PM	332	7	333	7	2711
4:00 PM	4:15 PM	326	7	352	2	2726
4:15 PM	4:30 PM	328	2	351	2	2744
4:30 PM	4:45 PM	338	1	369	9	2766
4:45 PM	5:00 PM	357	2	347	5	2798
AM Peak F	Period	1397	17	1345	10	2769
PM Peak F	Period	1471	20	1367	12	2870
Total		11095	163	11228	156	22642
-				•		



Car Wash Cafe Site Information	
Site Location	Aqua Car wash
Building Area m ²	
Year Opened	
Opening Times	7:30am-5:00pm Mon-Fri /8:00am-5:00pm Sat & Sun
Type of Car Wash (Auto/Manual/Self/Etc)	
Number of Employees per shift	
Surrounding Land Use	
Proximity to Public Transport	
Survey Date	14th, 15th June & 28th July 2019
Survey Period	7:30am-5:00pm Fri /8:00am-5:00pm Sat & Sun
Number of Pedestrian Access Points	
Number of Vehicle Entry/Exit Points	
Number of On-Site Parking Bays (Including bicycle parking)	
Number of Loading bays	
Number of Car Wash Bays	
Number of Hybrid/Electric Bays	
Number of Disabled Bays	
Number of Bicycle Parking Bays	
Number of Staff Parking Bays	
Traffic Surveyor Comments (eg. Local issues?, Roadworks?, Closed Areas?, Disability Acess?, etc)	



Friday 14th June		e 2019			
15 minute		Cars In	Cars Out	Peds	Bicycles
Start	End				
7:30	7:45	4	0	0	0
7:45	8:00	1	2	0	0
8:00	8:15	4	0	0	0
8:15	8:30	3	2	0	0
8:30	8:45	1	2	0	0
8:45	9:00	4	2	0	0
9:00	9:15	5	3	0	0
9:15	9:30	1	4	0	0
9:30	9:45	0	2	0	0
9:45	10:00	3	1	0	0
10:00	10:15	6	3	0	0
10:15	10:30	5	2	0	0
10:30	10:45	3	2	0	0
10:45	11:00	5	3	0	0
11:00	11:15	5	6	0	0
11:15	11:30	3	5	0	0
11:30	11:45	3	4	0	0
11:45	12:00	5	1	0	0
12:00	12:15	4	4	0	0
12:15	12:30	4	6	0	0
12:30	12:45	4	2	0	0
12:45	13:00	6	3	0	0
13:00	13:15	4	5	0	0
13:15	13:30	3	3	0	0
13:30	13:45	2	4	0	0
13:45	14:00	4	4	0	0
14:00	14:15	4	7	0	0
14:15	14:30	5	3	0	0
14:30	14:45	5	3	0	0
14:45	15:00	4	6	0	0
15:00	15:15	1	4	0	0
15:15	15:30	1	2	0	0
15:30	15:45	6	5	1	0
15:45	16:00	3	4	0	0
16:00	16:15	0	2	0	0
16:15	16:30	3	4	0	0
16:30	16:45	0	2	0	0
16:45	17:00	1	7	0	0
Total		125	124	1	0

15		Cars In	Cars Out	Dodo	Diovolo
minute		Cars in	Cars Out	Peds	Bicycle
Start	End				
8:00	8:15	5	0	0	0
8:15	8:30	4	2	0	0
8:30	8:45	1	1	0	0
8:45	9:00	3	4	0	0
9:00	9:15	1	4	0	0
9:15	9:30	8	2	0	0
9:30	9:45	3	0	0	0
9:45	10:00	4	3	0	0
10:00	10:15	1	3	0	0
10:15	10:30	3	5	0	0
10:30	10:45	3	2	0	0
10:45	11:00	6	3	0	0
11:00	11:15	4	4	0	0
11:15	11:30	4	4	0	0
11:30	11:45	4	2	0	0
11:45	12:00	5	4	0	0
12:00	12:15	7	5	0	0
12:15	12:30	2	4	0	0
12:30	12:45	3	4	0	0
12:45	13:00	4	4	0	0
13:00	13:15	4	4	0	0
13:15	13:30	3	4	0	0
13:30	13:45	4	4	0	0
13:45	14:00	3	5	0	0
14:00	14:15	4	4	0	0
14:15	14:30	3	3	0	0
14:30	14:45	2	3	0	0
14:45	15:00	4	3	0	0
15:00	15:15	7	3	0	0
15:15	15:30	2	6	0	0
15:30	15:45	1	6	0	0
15:45	16:00	2	5	0	0
16:00	16:15	4	3	0	0
16:15	16:30	4	1	0	0
16:30	16:45	0	3	0	0
16:45	17:00	0	7	0	0
		_			
Total		122	124	0	0

	Sunday 28th July 2019								
15		Cars In	Cars Out	Peds	Bicycles				
minute		Ouro III	ours out	1 000	Bioyolog				
Start	End								
8:00	8:15	3	0	0	0				
8:15	8:30	3	2	2	0				
8:30	8:45	3	5	1	0				
8:45	9:00	2	2	0	0				
9:00	9:15	5	0	0	0				
9:15	9:30	5	2	2	0				
9:30	9:45	5	3	0	0				
9:45	10:00	7	6	0	0				
10:00	10:15	5	2	0	0				
10:15	10:30	2	4	0	0				
10:30	10:45	7	6	1	0				
10:45	11:00	6	4	0	0				
11:00	11:15	7	4	1	0				
11:15	11:30	10	6	1	0				
11:30	11:45	7	4	0	0				
11:45	12:00	4	6	0	0				
12:00	12:15	10	9	0	0				
12:15	12:30	1	6	0	0				
12:30	12:45	7	5	0	0				
12:45	13:00	6	4	0	0				
13:00	13:15	1	5	0	0				
13:15	13:30	3	4	0	0				
13:30	13:45	3	5	0	0				
13:45	14:00	6	9	0	0				
14:00	14:15	2	3	1	0				
14:15	14:30	6	2	0	0				
14:30	14:45	3	5	1	0				
14:45	15:00	6	2	0	0				
15:00	15:15	4	6	0	0				
15:15	15:30	8	5	0	0				
15:30	15:45	3	3	0	0				
15:45	16:00	3	6	1	0				
16:00	16:15	3	5	0	0				
16:15	16:30	0	5	0	0				
16:30	16:45	2	6	0	0				
16:45	17:00	1	5	0	0				
10.10				•					
Total		159	156	11	0				
· otai		.50							

Site Location	Aqua Car Wash
Survey Date	14th, 15th June & 28th July 2019
Survey Period	7:30am-5pm Fri, 8am-5pm Sat & Sun
Main Traffic Flow	President Avenue
AM Peak Period	8:00am - 9:00am
PM Peak Period	3:30pm - 4:30pm

Friday 14th June 2019		2019				
15 min		Westbou		Eastboun		Hourly
Period		nd		d		Total
Start	End	Cars	Trucks	Cars	Trucks	
7:30 AM	7:45 AM	320	8	257	4	
7:45 AM	8:00 AM	364	6	351	9	
7.43 AIVI	0.00 AIVI	304	0	331	9	
						2736
						2921
						2921
9:00 AM	9:15 AM	326	5	334	4	2916
9:15 AM	9:30 AM	301	<u>3</u>	291	4	2774
9:30 AM	9:45 AM	288	4	235	6	2533
9:45 AM	10:00 AM	263	9	262	4	2340
10:00 AM	10:00 AM	223	8	262	8	2172
10:00 AM	10:15 AM	223	<u>o</u>	263	11	2076
10:13 AM	10:30 AM	278	<i>r</i> 5	203	7	2076
10:30 AM	11:00 AM	246	11	224	14	2008
11:00 AM	11:15 AM	234	10	238	5	1994
11:15 AM	11:30 AM	269	7	236	4	1994
11:30 AM	11:45 AM	274	9	-	8	2014
11:45 AM	12:00 PM	274	<u>9</u> 12	245 255	3	2014
12:00 PM	12:00 PM	263	12	272	5	2130
12:00 PM	12:30 PM	286	11		8	2178
			10	239	10	2176
12:30 PM 12:45 PM	12:45 PM	255		277		
	1:00 PM	284	10 5	254	11	2207
1:00 PM	1:15 PM 1:30 PM	294	<u>5</u> 8	218	5 3	2177
1:15 PM 1:30 PM		288		263	3	2195
	1:45 PM	296	10	238	4	2190
1:45 PM	2:00 PM	295	4	231		2165
2:00 PM	2:15 PM	294	5	250	5	2197
2:15 PM	2:30 PM	316	7	247	6	2211
2:30 PM	2:45 PM	399	11	283	7	2364
2:45 PM	3:00 PM	377	7	352	7	2573
3:00 PM	3:15 PM	381	20	324	10	2754
3:15 PM	3:30 PM	378	9	339	1	2905
						2977
						2989
						2984
4.00 DM	4.45 014	204	_	200	-	2000
4:30 PM	4:45 PM	394	5	320	5	2989
4:45 PM	5:00 PM	384	2	315	4	2939
AM Peak P		1418	37	1441	26	2922
PM Peak P	eriod	1648	16	1340	33	3037
Total		12135	294	10854	244	23527



IAM Peak Period	10:45am - 11:45am
PM Peak Period	12:00pm - 1:00pm

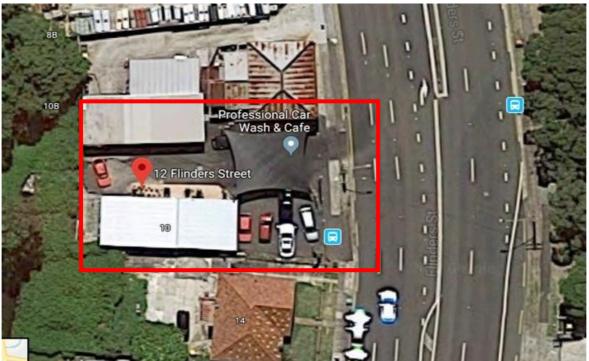
Saturday 15th June 2019						
15 min		Westbo		Eastbo		Hourly
Period		und		und		Total
Start	End	Cars	Trucks	Cars	Trucks	
8:00 AM	8:15 AM	229	4	167	2	
8:15 AM	8:30 AM	258	6	217	2	
8:30 AM	8:45 AM	304	8	272	4	
8:45 AM	9:00 AM	361	2	309	2	2147
9:00 AM	9:15 AM	292	3	301	2	2343
9:15 AM	9:30 AM	290	9	340	3	2502
9:30 AM	9:45 AM	308	9	300	4	2535
9:45 AM	10:00 AM	375	6	305	2	2549
10:00 AM	10:15 AM	381	4	331	4	2671
10:15 AM	10:30 AM	362	7	391	6	2795
10:30 AM	10:45 AM	396	4	341	1	2916
10:45 AM	11:00 AM	388	8	388	3	3015
11:00 AM	11:15 AM	390	5	307	2	2999
11:15 AM	11:30 AM	463	4	328	2	3030
11:30 AM	11:45 AM	419	4	331	1	3043
11:45 AM	12:00 PM	433	4	336	0	3029
12:00 PM	12:15 PM	387	5	409	4	3130
12:15 PM	12:30 PM	424	12	353	2	3124
12:30 PM	12:45 PM	428	6	329	4	3136
12:45 PM	1:00 PM	395	2	411	3	3174
1:00 PM	1:15 PM	409	3	345	3	3129
1:15 PM	1:30 PM	353	2	302	2	2997
1:30 PM	1:45 PM	356	5	360	2	2953
1:45 PM	2:00 PM	352	1	321	0	2816
2:00 PM	2:15 PM	349	9	261	5	2680
2:15 PM	2:30 PM	335	5	300	1	2662
2:30 PM	2:45 PM	310	0	312	0	2561
2:45 PM	3:00 PM	352	2	339	1	2581
3:00 PM	3:15 PM	337	4	274	10	2582
3:15 PM	3:30 PM	333	2	280	6	2562
3:30 PM	3:45 PM	269	1	284	6	2500
3:45 PM	4:00 PM	311	3	284	5	2409
4:00 PM	4:15 PM	283	3	277	3	2350
4:15 PM	4:30 PM	295	0	305	0	2329
4:30 PM	4:45 PM	286	1	274	0	2330
4:45 PM	5:00 PM	294	2	318	0	2341
AM Peak F		1660	21	1354	8	3043
PM Peak F	Period	1634	25	1502	13	3174
Total		12507	155	11302	97	24061

IAM Peak Period	11:00am - 12:00pm
PM Peak Period	12:00pm - 1:00pm

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1:15 PM 1:30 PM 333 1 1:30 PM 1:45 PM 338 1 1:45 PM 2:00 PM 297 1 2:00 PM 2:15 PM 315 2 2:15 PM 2:30 PM 321 0 2:30 PM 2:45 PM 285 5 2:45 PM 3:00 PM 267 1 3:00 PM 3:15 PM 298 2 3:15 PM 3:30 PM 373 2 3:30 PM 3:45 PM 306 3 3:45 PM 4:00 PM 353 2 4:00 PM 4:15 PM 274 1 4:15 PM 4:30 PM 279 1 4:30 PM 4:45 PM 250 0	309	0	2672
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2:00 PM 2:15 PM 315 2 2:15 PM 2:30 PM 321 0 2:30 PM 2:45 PM 285 5 2:45 PM 3:00 PM 267 1 3:00 PM 3:15 PM 298 2 3:15 PM 3:30 PM 373 2 3:30 PM 3:45 PM 306 3 3:45 PM 4:00 PM 353 2 4:00 PM 4:15 PM 274 1 4:15 PM 4:30 PM 279 1 4:30 PM 4:45 PM 250 0	306	0	2562
2:15 PM 2:30 PM 321 0 2:30 PM 2:45 PM 285 5 2:45 PM 3:00 PM 267 1 3:00 PM 3:15 PM 298 2 3:15 PM 3:30 PM 373 2 3:30 PM 3:45 PM 306 3 3:45 PM 4:00 PM 353 2 4:00 PM 4:15 PM 274 1 4:15 PM 4:30 PM 279 1 4:30 PM 4:45 PM 250 0	279	4	2494
2:30 PM 2:45 PM 285 5 2:45 PM 3:00 PM 267 1 3:00 PM 3:15 PM 298 2 3:15 PM 3:30 PM 373 2 3:30 PM 3:45 PM 306 3 3:45 PM 4:00 PM 353 2 4:00 PM 4:15 PM 274 1 4:15 PM 4:30 PM 279 1 4:30 PM 4:45 PM 250 0	279	0	2491
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3:00 PM 3:15 PM 298 2 3:15 PM 3:30 PM 373 2 3:30 PM 3:45 PM 306 3 3:45 PM 4:00 PM 353 2 4:00 PM 4:15 PM 274 1 4:15 PM 4:30 PM 279 1 4:30 PM 4:45 PM 250 0	267	1	2335
3:15 PM 3:30 PM 373 2 3:30 PM 3:45 PM 306 3 3:45 PM 4:00 PM 353 2 4:00 PM 4:15 PM 274 1 4:15 PM 4:30 PM 279 1 4:30 PM 4:45 PM 250 0	319	0	2341
3:30 PM 3:45 PM 306 3 3:45 PM 4:00 PM 353 2 4:00 PM 4:15 PM 274 1 4:15 PM 4:30 PM 279 1 4:30 PM 4:45 PM 250 0	279	1	2325
3:45 PM 4:00 PM 353 2 4:00 PM 4:15 PM 274 1 4:15 PM 4:30 PM 279 1 4:30 PM 4:45 PM 250 0	245	3	2348
4:00 PM 4:15 PM 274 1 4:15 PM 4:30 PM 279 1 4:30 PM 4:45 PM 250 0	287	1	2387
4:15 PM 4:30 PM 279 1 4:30 PM 4:45 PM 250 0	279	3	2437
4:30 PM 4:45 PM 250 0	280	1	2413
	258	1	2329
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	252	1	2188
AM Peak Period 1276 12	1389	3	2680
PM Peak Period 1357 16	1298	1	2672
	9860	30	20344



Car Wash Cafe Site Information	
Site Location	Professional Car Wash
Building Area m ²	
Year Opened	
Opening Times	8:00am-5:00pm
Type of Car Wash (Auto/Manual/Self/Etc)	
Number of Employees per shift	
Surrounding Land Use	
Proximity to Public Transport	
Survey Date	14th, 15th June & 28th July 2019
Survey Period	8:00am-5:00pm
Number of Pedestrian Access Points	
Number of Vehicle Entry/Exit Points	
Number of On-Site Parking Bays (Including bicycle parking)	
Number of Loading bays	
Number of Car Wash Bays	
Number of Hybrid/Electric Bays	
Number of Disabled Bays	
Number of Bicycle Parking Bays	
Number of Staff Parking Bays	
Traffic Surveyor Comments (eg. Local issues?, Roadworks?, Closed Areas?, Disability Acess?, etc)	

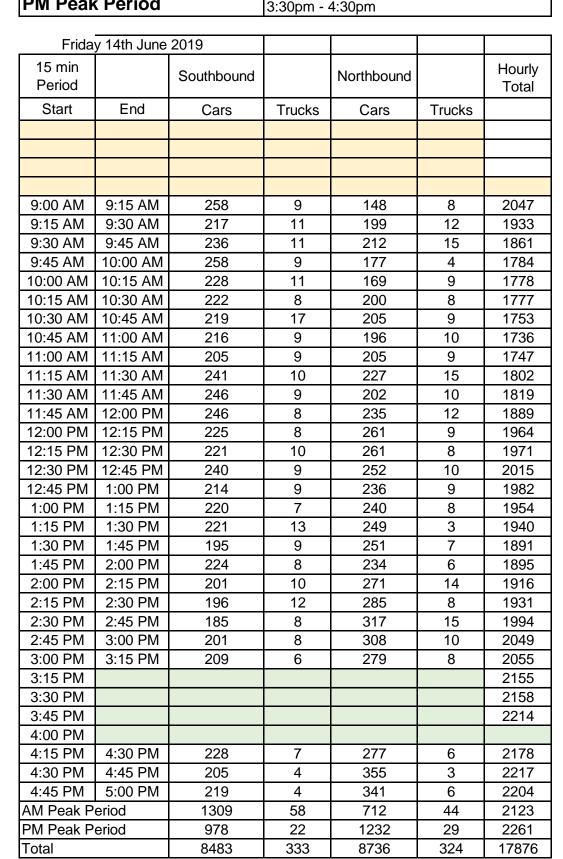


14th June	e 2019				
15		Cars In	Cars Out	Peds	Bicycles
minute		•			
Start	End		_		
8:00	8:15	0	0	0	1
8:15	8:30	1	0	0	0
8:30	8:45	2	1	0	0
8:45	9:00	0	1	0	0
9:00	9:15	2	0	0	1
9:15	9:30	0	0	0	0
9:30	9:45	2	1	0	0
9:45	10:00	1	0	1	0
10:00	10:15	1	2	0	0
10:15	10:30	0	2	0	0
10:30	10:45	1	0	1	0
10:45	11:00	2	0	0	0
11:00	11:15	1	1	0	0
11:15	11:30	1	0	0	0
11:30	11:45	0	2	0	0
11:45	12:00	1	2	0	0
12:00	12:15	3	1	0	0
12:15	12:30	1	1	0	0
12:30	12:45	2	1	0	0
12:45	13:00	1	0	0	0
13:00	13:15	3	2	1	0
13:15	13:30	3	2	0	0
13:30	13:45	2	3	0	0
13:45	14:00	6	3	0	0
14:00	14:15	2	3	1	0
14:15	14:30	3	0	0	0
14:30	14:45	1	3	0	0
14:45	15:00	1	2	0	0
15:00	15:15	2	2	0	0
15:15	15:30	1	2	0	0
15:30	15:45	0	1	0	0
15:45	16:00	1	2	0	0
16:00	16:15	2	1	1	0
16:15	16:30	0	3	1	0
16:30	16:45	0	1	<u>·</u> 1	0
16:45	17:00	0	5	0	0
Total		49	50	7	2

y 15th Jui	ne 2019					Sunday 28th Jul	y 2019
15		Cars In	Cars Out	Peds	Pieveles	15	
minute		Carsin	Cars Out	reus	Bicycles	minute	
Start	End					Start	End
8:00	8:15	3	0	0	0	8:00	8:15
8:15	8:30	1	0	0	0	8:15	8:30
8:30	8:45	2	0	0	0	8:30	8:45
8:45	9:00	1	2	1	0	8:45	9:00
9:00	9:15	1	1	2	0	9:00	9:15
9:15	9:30	3	1	0	0	9:15	9:30
9:30	9:45	2	0	0	0	9:30	9:45
9:45	10:00	1	1	0	0	9:45	10:00
10:00	10:15	3	2	1	0	10:00	10:15
10:15	10:30	0	2	2	0	10:15	10:30
10:30	10:45	2	1	0	0	10:30	10:45
10:45	11:00	2	0	2	0	10:45	11:00
11:00	11:15	1	5	0	0	11:00	11:15
11:15	11:30	4	1	1	0	11:15	11:30
11:30	11:45	3	2	2	0	11:30	11:45
11:45	12:00	0	1	1	0	11:45	12:00
12:00	12:15	3	3	0	0	12:00	12:15
12:15	12:30	0	1	0	0	12:15	12:30
12:30	12:45	0	1	0	0	12:30	12:45
12:45	13:00	2	1	0	0	12:45	13:00
13:00	13:15	1	1	0	0	13:00	13:15
13:15	13:30	2	2	0	0	13:15	13:30
13:30	13:45	0	1	0	0	13:30	13:45
13:45	14:00	1	2	3	0	13:45	14:00
14:00	14:15	4	1	1	0	14:00	14:15
14:15	14:30	0	2	3	0	14:15	14:30
14:30	14:45	2	0	0	0	14:30	14:45
14:45	15:00	1	3	2	0	14:45	15:00
15:00	15:15	1	3	1	0	15:00	15:15
15:15	15:30	3	2	2	0	15:15	15:30
15:30	15:45	0	1	0	0	15:30	15:45
15:45	16:00	0	1	0	0	15:45	16:00
16:00	16:15	0	2	1	0	16:00	16:15
16:15	16:30	0	0	0	0	16:15	16:30
16:30	16:45	0	1	0	0	16:30	16:45
16:45	17:00	0	1	0	0	16:45	17:00
Total	. =	49	48	25	0	Total	

15		Cars In	Cars Out	Peds	Bicycles
minute		Cars III	Cars Out	reus	Bicycles
Start	End				
8:00	8:15	6	0	0	0
8:15	8:30	1	1	0	0
8:30	8:45	0	3	0	0
8:45	9:00	0	2	0	0
9:00	9:15	2	1	0	0
9:15	9:30	2	1	0	0
9:30	9:45	1	1	0	0
9:45	10:00	2	1	0	0
10:00	10:15	5	2	0	0
10:15	10:30	1	1	0	0
10:30	10:45	4	2	0	0
10:45	11:00	3	2	0	0
11:00	11:15	2	1	0	0
11:15	11:30	3	1	0	0
11:30	11:45	1	1	0	0
11:45	12:00	1	3	0	0
12:00	12:15	1	2	0	0
12:15	12:30	0	3	0	0
12:30	12:45	2	1	0	0
12:45	13:00	2	3	0	0
13:00	13:15	1	1	0	0
13:15	13:30	2	3	0	0
13:30	13:45	3	2	0	0
13:45	14:00	0	1	0	0
14:00	14:15	0	2	0	0
14:15	14:30	2	3	0	0
14:30	14:45	3	3	0	0
14:45	15:00	1	2	0	0
15:00	15:15	3	1	0	0
15:15	15:30	2	2	0	0
15:30	15:45	2	2	0	0
15:45	16:00	0	3	0	0
16:00	16:15	0	0	0	0
16:15	16:30	0	1	0	0
16:30	16:45	0	2	0	0
16:45	17:00	0	2	0	0
Total		58	62	0	0

Site Location	Professional Car Wash
Survey Date	14th, 15th June & 28th July 2019
Survey Period	8am-5pm
Main Traffic Flow	Flinders Street (Princes H'way)
AM Peak Period	8:15am -
AW Peak Period	9:15am
PM Peak Period	3:30pm - 4:30pm





AM Peak Period	10:45am - 11:45am
PM Peak Period	12:30pm - 1:30pm

Saturday 15th June 2019							
15 min Period		Southbound		Northbound		Hourly Total	
Start	End	Cars	Trucks	Cars	Trucks		
8:00 AM	8:15 AM	100	1	107	4		
8:15 AM	8:30 AM	144	3	93	5		
8:30 AM	8:45 AM	163	6	146	7		
8:45 AM	9:00 AM	172	4	134	3	1092	
9:00 AM	9:15 AM	191	5	130	3	1209	
9:15 AM	9:30 AM	244	3	160	2	1373	
9:30 AM	9:45 AM	213	6	151	8	1429	
9:45 AM	10:00 AM	200	2	199	2	1519	
10:00 AM	10:15 AM	204	1	193	12	1600	
10:15 AM	10:30 AM	238	5	221	4	1659	
10:30 AM	10:45 AM	257	5	203	3	1749	
10:45 AM	11:00 AM	261	2	244	5	1858	
11:00 AM	11:15 AM	259	4	253	8	1972	
11:15 AM	11:30 AM	246	3	253	3	2009	
11:30 AM	11:45 AM	232	3	246	5	2027	
11:45 AM	12:00 PM	240	4	260	7	2026	
12:00 PM	12:15 PM	271	5	260	5	2043	
12:15 PM	12:30 PM	253	2	251	4	2048	
12:30 PM	12:45 PM	267	3	286	2	2120	
12:45 PM	1:00 PM	266	3	282	5	2165	
1:00 PM	1:15 PM	258	3	309	3	2197	
1:15 PM	1:30 PM	204	3	316	5	2215	
1:30 PM	1:45 PM	219	2	254	2	2134	
1:45 PM	2:00 PM	209	4	253	2	2046	
2:00 PM	2:15 PM	194	0	263	6	1936	
2:15 PM	2:30 PM	227	3	262	3	1903	
2:30 PM	2:45 PM	215	2	253	7	1903	
2:45 PM	3:00 PM	191	2	243	1	1872	
3:00 PM	3:15 PM	175	3	247	5	1839	
3:15 PM	3:30 PM	191	2	217	3	1757	
3:30 PM	3:45 PM	168	2	260	4	1714	
3:45 PM	4:00 PM	173	4	231	2	1687	
4:00 PM	4:15 PM	151	2	263	4	1677	
4:15 PM	4:30 PM	198	2	257	1	1722	
4:30 PM	4:45 PM	192	1	236	3	1720	
4:45 PM	5:00 PM	185	2	196	2	1695	
AM Peak F	Period	998	12	996	21	2027	
PM Peak F	Period	995	12	1193	15	2215	
Total		7571	107	8132	150	15960	

AM Paak Pariod	11:00am - 12:00pm
PM Peak Period	12:00pm - 1:00pm

Sunday 28th July 2019		2019				
15 min Period		Southbound		Northbound		Hourly Total
Start	End	Cars	Trucks	Cars	Trucks	
8:00 AM	8:15 AM	64	3	59	0	
8:15 AM	8:30 AM	53	1	75	3	
8:30 AM	8:45 AM	92	0	67	1	
8:45 AM	9:00 AM	96	1	78	1	594
9:00 AM	9:15 AM	102	3	107	1	681
9:15 AM	9:30 AM	138	2	108	2	799
9:30 AM	9:45 AM	175	0	112	2	928
9:45 AM	10:00 AM	207	2	121	3	1085
10:00 AM	10:15 AM	188	3	146	2	1211
10:15 AM	10:30 AM	214	2	157	1	1335
10:30 AM	10:45 AM	166	1	180	3	1396
10:45 AM	11:00 AM	221	1	174	3	1462
11:00 AM	11:15 AM	202	6	181	4	1516
11:15 AM	11:30 AM	206	1	194	4	1547
11:30 AM	11:45 AM	218	2	237	4	1658
11:45 AM	12:00 PM	246	0	240	0	1745
12:00 PM	12:15 PM	213	2	267	0	1834
12:15 PM	12:30 PM	211	1	259	1	1901
12:30 PM	12:45 PM	220	0	223	2	1885
12:45 PM	1:00 PM	227	1	223	0	1850
1:00 PM	1:15 PM	197	0	212	1	1778
1:15 PM	1:30 PM	231	3	220	1	1761
1:30 PM	1:45 PM	211	1	210	4	1742
1:45 PM	2:00 PM	215	1	217	1	1725
2:00 PM	2:15 PM	200	2	198	0	1715
2:15 PM	2:30 PM	201	1	215	0	1677
2:30 PM	2:45 PM	159	2	212	3	1627
2:45 PM	3:00 PM	178	4	222	1	1598
3:00 PM	3:15 PM	211	3	207	2	1621
3:15 PM	3:30 PM	175	2	215	2	1598
3:30 PM	3:45 PM	163	1	193	2	1581
3:45 PM	4:00 PM	140	3	217	2	1538
4:00 PM	4:15 PM	156	3	253	0	1527
4:15 PM	4:30 PM	166	0	188	2	1489
4:30 PM	4:45 PM	175	2	190	2	1499
4:45 PM	5:00 PM	96	2	139	0	1374
AM Peak F	Period	872	9	852	12	1745
PM Peak F	Period	871	4	972	3	1850
Total		6333	62	6516	60	12971



Car Wash Cafe Site Information	
Site Location	Gold Car Wash Café
Building Area m ²	1000
Year Opened	Unknown
Opening Times	6:00am - 7:00pm
Type of Car Wash (Auto/Manual/Self/Etc)	Manual
Number of Employees per shift	Unknown
Surrounding Land Use	Power Golf
Proximity to Public Transport	Yes
Survey Date	14th-16th June 2019
Survey Period	6:00am - 7:00pm
Number of Pedestrian Access Points	Unknown
Number of Vehicle Entry/Exit Points	Unknown
Number of On-Site Parking Bays (Including bicycle parking)	2
Number of Loading bays	Unknown
Number of Car Wash Bays	9
Number of Hybrid/Electric Bays	Unknown
Number of Disabled Bays	Unknown
Number of Bicycle Parking Bays	Unknown
Number of Staff Parking Bays	Unknown
Traffic Surveyor Comments (eg. Local issues?, Roadworks?, Closed Areas?, Disability Acess?, etc)	

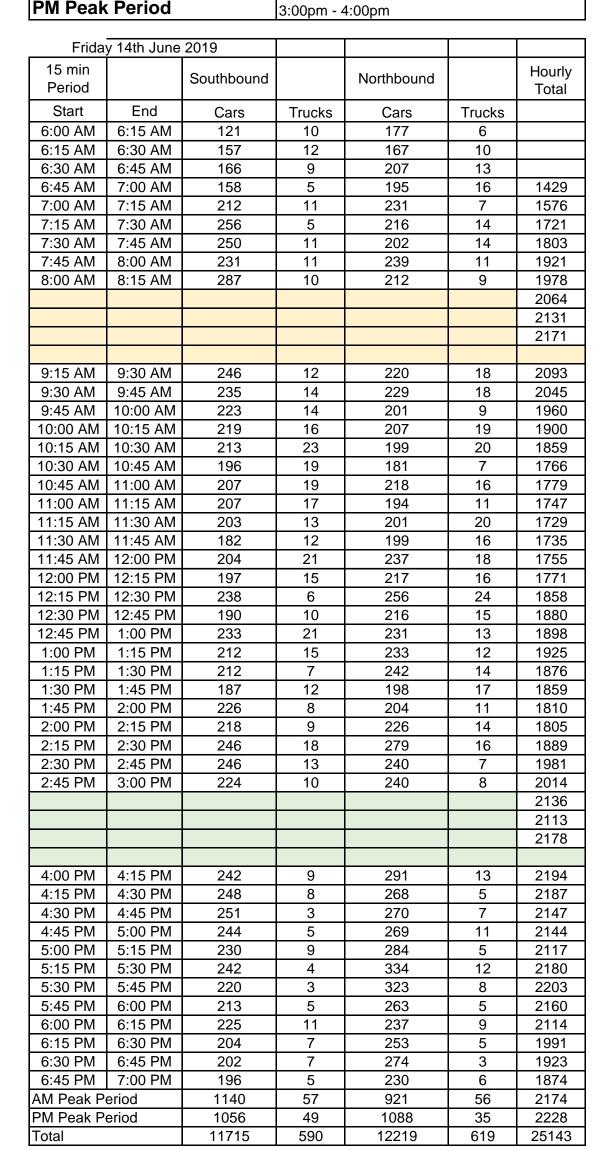


Friday	/ 14th June	2019			
15		Cars In	Cars Out	Peds	Bicycles
minute		Oars III	Cars Out	i cus	Dicycles
Start	End				
6:00	6:15	4	3	0	0
6:15	6:30	3	2	0	0
6:30	6:45	1	3	0	0
6:45	7:00	2	2	0	0
7:00	7:15	2	3	0	0
7:15	7:30	1	1	0	0
7:30	7:45	5	2	0	0
7:45	8:00	1	0	0	0
8:00	8:15	3	2	0	0
8:15	8:30	2	1	0	0
8:30	8:45	2	3	0	0
8:45	9:00	6	3	0	0
9:00	9:15	1	1	0	0
9:15	9:30	3	1	0	0
9:30	9:45	3	0	0	0
9:45	10:00	0	1	0	0
10:00	10:15	1	3	0	0
10:00	10:13	5	3	0	0
10:30	10:30	2	3	0	0
		3	4	0	0
10:45	11:00	4			
11:00	11:15		2	0	0
11:15	11:30	2	3	1	1
11:30	11:45	4	2	1	0
11:45	12:00	4	5	1	0
12:00	12:15	0	1	1	0
12:15	12:30	5	3	1	0
12:30	12:45	6	6	0	0
12:45	13:00	2	3	0	0
13:00	13:15	4	3	0	0
13:15	13:30	1	3	0	0
13:30	13:45	3	5	0	0
13:45	14:00	3	5	0	0
14:00	14:15	2	3	0	0
14:15	14:30	2	2	0	0
14:30	14:45	7	4	0	0
14:45	15:00	2	3	0	1
15:00	15:15	2	4	0	0
15:15	15:30	5	6	0	0
15:30	15:45	1	3	0	0
15:45	16:00	3	1	0	0
16:00	16:15	4	2	0	0
16:15	16:30	6	4	0	0
16:30	16:45	2	4	0	0
16:45	17:00	1	3	0	0
		2	3	0	0
17:00	17:15	5	5	0	0
17:15	17:30				
17:30	17:45	2	1	0	0
17:45	18:00	0	4	0	0
18:00	18:15	1	2	0	0
18:15	18:30	0	4	0	0
18:30	18:45	3	1	0	0
18:45	19:00	3	3	0	0
Total		141	144	5	2

	ay 15th Jui	ne 2019	 		T
15 minute		Cars In	Cars Out	Peds	Bicycles
Start	End				
6:00	6:15	5	2	0	0
6:15	6:30	2	1	0	0
6:30	6:45	2	1	0	0
6:45	7:00	1	4	0	0
7:00	7:15	2	2	0	0
7:15	7:30	0	4	0	0
7:30	7:45	2	1	0	0
7:45	8:00	2	2	0	0
8:00	8:15	4	2	0	0
8:15	8:30	2	3	0	0
8:30	8:45	7	2	0	0
8:45	9:00	5	2	0	0
9:00	9:15	1	2	0	0
9:15	9:30	2	2	0	0
9:30	9:45	0	2	2	0
9:45	10:00	2	5	0	0
10:00	10:00	4	2	0	0
10:00	10:13	3	1	0	0
10:30	10:45	7	3	0	0
10:45	11:00	4	3	0	0
11:00	11:15	0	2	0	0
11:15	11:30	6	5	0	0
11:30	11:45	2	1	0	0
11:45	12:00	5	2	0	0
12:00	12:15	3	2	0	0
12:15	12:30	2	6	0	0
12:30	12:45	5	5	0	0
12:45	13:00	7	5	0	0
13:00	13:15	3	6	0	0
13:15	13:30	3	4	0	0
	13:45	0	4	0	0
13:30		5	3	0	0
13:45 14:00	14:00 14:15	3	2	0	0
14:00	14:15	4	3	0	0
14:15	14:30	1	4	0	0
14:30	15:00	5	4	0	0
15:00	15:00	4		0	0
15:00	15:15	4	3 4	0	0
15:30	15:30	3	3	0	0
		4	2	0	0
15:45	16:00	1	4	0	0
16:00	16:15	4			
16:15	16:30		3 6	2	0
16:30	16:45	2		0	0
16:45	17:00	2	3 5	0	
17:00	17:15				0
17:15	17:30	0	0	0	0
17:30	17:45	2	2	0	0
17:45	18:00	1	1	0	0
18:00	18:15	5	5	0	0
18:15	18:30	2	1	0	0
18:30	18:45	1	1	0	0
18:45	19:00	1	2	0	0
Total		149	149	4	0

15	y 16th Jun	Cars In	Cars Out	Peds	Bicycles
minute		Carsiii	Cars Out	reus	Bicycles
Start	End				
6:00	6:15	1	1	0	0
6:15	6:30	3	3	0	0
6:30	6:45	0	1	0	0
6:45	7:00	1	0	0	0
7:00	7:15	1	3	0	0
7:15	7:30	1	1	0	0
7:30	7:45	1	1	0	0
7:45	8:00	1	0	0	0
8:00	8:15	0	0	0	0
8:15	8:30	0	0	1	0
8:30	8:45	0	1	0	0
8:45	9:00	0	0	0	0
9:00	9:15	3	1	1	0
9:15	9:30	4	3	0	0
9:30	9:45	4	0	0	0
9:45	10:00	0	1	0	0
10:00	10:15	1	3	0	0
10:15	10:30	2	1	1	0
10:30	10:45	1	1	0	0
10:45	11:00	2	2	1	0
11:00	11:15	0	0	0	0
11:15	11:30	0	0	0	0
11:30	11:45	1	1	0	0
11:45	12:00	2	2	0	0
12:00	12:15	1	0	0	0
12:15	12:30	2	0	0	0
12:30	12:45	1	4	0	0
12:45	13:00	3	4	0	0
13:00	13:15	0	0	0	0
13:15	13:30	1	0	1	0
13:30	13:45	0	2	0	0
13:45	14:00	2	0	0	0
14:00	14:15	1	0	0	0
14:15	14:30	1	1	0	0
14:30	14:45	5	2	0	0
14:45	15:00	0	1	0	0
15:00	15:15	2	3	0	0
15:15	15:30	3	1	0	0
15:30	15:45	3	3	0	0
15:45	16:00	2	4	0	0
16:00	16:15	2	1	0	0
16:15	16:30	1	3	0	0
16:30	16:45	3	2	0	0
16:45	17:00	1	2	0	0
17:00	17:15	3	3	0	0
17:15	17:30	3	5	0	0
17:10	17:45	3	1	1	0
17:45	18:00	1	3	0	0
18:00	18:15	2	1	0	1
18:15	18:30	0	1	0	0
18:30	18:45	0	1	0	0
18:45	19:00	1	1	0	0
10.40	19.00	'		U	J

Site Location	Gold Car Wash Café
Survey Date	14th-16th June 2019
Survey Period	6am-7pm
Main Traffic Flow	O'Riordan Street
AM Peak Period	8:15am - 9:15am
DM Dools Doring	





AM Peak Period	10:15am - 11:15am
PM Peak Period	1:45pm - 2:45pm

Saturda	ay 15th Jun	e 2019				
15 min		Countle le count		N o who bo o cool		Hourly
Period		Southbound		Northbound		Total
Start	End	Cars	Trucks	Cars	Trucks	
6:00 AM	6:15 AM	100	3	107	2	
6:15 AM	6:30 AM	104	4	86	3	
6:30 AM	6:45 AM	105	2	117	7	
6:45 AM	7:00 AM	110	6	132	7	895
7:00 AM	7:15 AM	126	10	128	9	956
7:15 AM	7:30 AM	143	8	153	8	1071
7:30 AM	7:45 AM	153	5	164	4	1166
7:45 AM	8:00 AM	161	5	124	4	1205
8:00 AM	8:15 AM	184	7	166	8	1297
8:15 AM	8:30 AM	188	5	157	4	1339
8:30 AM	8:45 AM	154	6	203	2	1378
8:45 AM	9:00 AM	187	6	204	5	1486
9:00 AM	9:15 AM	164	17	212	10	1524
9:00 AM	9:30 AM	168	10	205	11	1564
9:30 AM	9:45 AM	162	6	184	7	1558
9:45 AM	10:00 AM	185	6	204	8	1559
10:00 AM	10:00 AM	218	4	187	5	1570
10:00 AM	10:15 AM	228	10	221	8	1643
10:30 AM	10:30 AM	237	9	212	6	1748
10:45 AM	11:00 AM	251	1	267	6	1870
11:00 AM	11:15 AM	211	2	207	7	1879
11:15 AM	11:30 AM	220	6	203	9	1848
11:30 AM	11:45 AM	210	4		11	
11:45 AM	12:00 PM	214	8	253 233	15	1862 1807
12:00 PM	12:00 PM		4	233		
12:15 PM		223			10	1845
	12:30 PM	222	1	239	3	1875
12:30 PM	12:45 PM	248	8	264		1920
12:45 PM	1:00 PM	249	3	269	5	1976
1:00 PM	1:15 PM	254	6	213	6	1994
1:15 PM	1:30 PM	218	0 1	248	7	2001
1:30 PM 1:45 PM	1:45 PM	222	4	238 277	5 3	1944
2:00 PM	2:00 PM	251	7		4	1953
	2:15 PM	236		273		1994
2:15 PM	2:30 PM	244	4	225	5	1999
2:30 PM	2:45 PM	258	4	241	3	2039
2:45 PM	3:00 PM	233	7	239	3	1986
3:00 PM	3:15 PM	193	4	267	5	1935
3:15 PM	3:30 PM	242	4	239	10	1952
3:30 PM	3:45 PM	193	4	229	5	1877
3:45 PM	4:00 PM	217	<u>4</u> 1	213	3	1832
4:00 PM	4:15 PM	226		226	5	1821
4:15 PM	4:30 PM	202	4	246	6	1784
4:30 PM	4:45 PM	176	10	221	0	1760
4:45 PM	5:00 PM	169	1	219	3	1715
5:00 PM	5:15 PM	157	4	237	10	1665
5:15 PM	5:30 PM	146	0	229	3	1585
5:30 PM	5:45 PM	164	4	203	0	1549
5:45 PM	6:00 PM	141	1	227	5	1531
6:00 PM	6:15 PM	148	4	219	1	1495
6:15 PM	6:30 PM	104	5	233	3	1462
6:30 PM	6:45 PM	142	4	244	3	1484
6:45 PM	7:00 PM	121	4	202	2	1439
AM Peak F		927	22	903	27	1879
PM Peak F	reriod	989	19	1016	15	2039
Total		9782	257	10927	288	21254

AM Peak Period	11:00am - 12:00pm
PM Peak Period	12:45pm - 1:45pm

Sunda	y 16th June	e 2019				
15 min		Courtle le coure d		N o who be our or al		Hourly
Period		Southbound		Northbound		Total
Start	End	Cars	Trucks	Cars	Trucks	
6:00 AM	6:15 AM	60	3	66	0	
6:15 AM	6:30 AM	53	2	53	4	
6:30 AM	6:45 AM	73	2	89	3	
6:45 AM	7:00 AM	67	3	94	2	574
7:00 AM	7:15 AM	98	2	99	2	646
7:15 AM	7:30 AM	98	4	95	3	734
7:30 AM	7:45 AM	78	5	137	6	793
7:45 AM	8:00 AM	99	2	113	2	843
8:00 AM	8:15 AM	123	2	125	2	894
8:15 AM	8:30 AM	94	2	141	4	935
8:30 AM	8:45 AM	105	6	146	6	972
8:45 AM	9:00 AM	125	4	152	5	1042
9:00 AM	9:15 AM	123	4	141	5	1063
9:15 AM	9:30 AM	146	9	162	9	1148
9:30 AM	9:45 AM	149	8	162	1	1205
9:45 AM	10:00 AM	203	4	175	2	1303
10:00 AM		164	5	177	10	1386
10:15 AM	10:30 AM	192	3	175	0	1430
10:30 AM	10:45 AM	190	1	163	2	1466
10:45 AM	11:00 AM	180	2	168	3	1435
11:00 AM	11:15 AM	168	0	247	3	1497
11:15 AM	11:30 AM	192	4	248	4	1575
11:30 AM	11:45 AM	185	4	218	4	1630
11:45 AM		209	1	294	3	1784
12:00 PM	12:15 PM	173	1	260	12	1812
12:15 PM		215	4	234	4	1821
12:30 PM		204	4	237	3	1858
12:45 PM		243	4	261	8	1867
1:00 PM	1:15 PM	231	1	283	5	1941
1:15 PM	1:30 PM	211	0	270	8	1973
1:30 PM	1:45 PM	210	2	246	3	1986
1:45 PM	2:00 PM	214	2	273	4	1963
2:00 PM	2:15 PM	207	3	249	3	1905
2:15 PM	2:30 PM	207	1	256	4	1884
2:30 PM	2:45 PM	208	2	233	5	1871
2:45 PM	3:00 PM	213	4	238	7	1840
3:00 PM	3:15 PM	199	3	237	5	1822
3:15 PM	3:30 PM	205	1	233	4	1797
3:30 PM	3:45 PM	194	3	219	2	1767
3:45 PM	4:00 PM	244	2	251	6	1808
4:00 PM	4:15 PM	206	4	229	4	1807
4:15 PM	4:30 PM	210	4	245	3	1826
4:30 PM	4:45 PM	163	2	268	2	1843
4:45 PM	5:00 PM	176	1	248	5	1770
5:00 PM	5:15 PM	223	7	238	7	1802
5:15 PM	5:30 PM	179	3	206	4	1732
5:30 PM	5:45 PM	165	2	192	0	1656
5:45 PM	6:00 PM	188	4	192	3	1613
6:00 PM	6:15 PM	171	6	181	4	1500
6:15 PM	6:30 PM	142	6	189	2	1447
6:30 PM	6:45 PM	142	1	178	8	1417
6:45 PM	7:00 PM	161	7	178	4	1380
AM Peak F		754	9	1007	14	1784
PM Peak F		895	7	1060	24	1986
Total		8678	166	10164	214	19222



Car Wash Cafe Site Information	
Site Location	Zoom Car Wash Café
Building Area m ²	
Year Opened	
Opening Times	8:00am-6:00pm
Type of Car Wash (Auto/Manual/Self/Etc	
Number of Employees per shift	
Surrounding Land Use	
Proximity to Public Transport	
Survey Date	14th, 15th June & 28th July 2019
Survey Period	8:00am-6:00pm
Number of Pedestrian Access Points	
Number of Vehicle Entry/Exit Points	
Number of On-Site Parking Bays (Including bicycle parking)	
Number of Loading bays	
Number of Car Wash Bays	
Number of Hybrid/Electric Bays	
Number of Disabled Bays	
Number of Bicycle Parking Bays	
Number of Staff Parking Bays	
Traffic Surveyor Comments (eg. Local issues?, Roadworks?, Closed Areas?, Disability Acess?, etc)	



15		Cars In	Cars Out	Peds	Bicycles
minute		Cars in	Cars Out	Peas	Bicycles
Start	End				
8:00	8:15	0	1	1	0
8:15	8:30	0	0	0	0
8:30	8:45	0	0	0	0
8:45	9:00	0	0	1	0
9:00	9:15	2	0	0	0
9:15	9:30	1	1	0	0
9:30	9:45	3	3	0	0
9:45	10:00	5	1	0	0
10:00	10:15	1	1	1	0
10:15	10:30	1	1	0	0
10:30	10:45	2	3	0	0
10:45	11:00	3	1	0	0
11:00	11:15	6	2	0	0
11:15	11:30	4	3	0	0
11:30	11:45	1	3	0	0
11:45	12:00	1	0	0	0
12:00	12:15	1	3	0	0
12:15	12:30	2	4	1	0
12:30	12:45	0	1	1	0
12:45	13:00	2	2	0	0
13:00	13:15	5	2	0	0
13:15	13:30	3	4	0	0
13:30	13:45	1	2	0	0
13:45	14:00	2	1	1	0
14:00	14:15	1	3	0	0
14:15	14:30	3	3	0	0
14:30	14:45	1	1	1	0
14:45	15:00	2	2	0	0
15:00	15:15	1	2	0	0
15:15	15:30	1	1	0	0
15:30	15:45	0	1	0	0
15:45	16:00	2	2	0	0
16:00	16:15	0	1	0	0
16:15	16:30	2	2	0	0
16:30	16:45	0	1	0	0
16:45	17:00	0	1	0	0
17:00	17:15	0	1	0	0
17:15	17:30	0	0	0	0
17:30	17:45	0	0	0	0
17:45	18:00	0	0	0	0

15	ay 15th Ju				
minute		Cars In	Cars Out	Peds	Bicycles
Start	End				
8:00	8:15	3	0	0	0
8:15	8:30	0	3	0	0
8:30	8:45	0	1	0	0
8:45	9:00	4	0	1	0
9:00	9:00	1	2	0	0
9:00	9:30	4	1	0	0
9:30	9:45	3	3	0	0
		2	3		1
9:45	10:00	3	2	<u>0</u> 1	0
10:00	10:15	4		-	0
10:15	10:30		2	0	0
10:30	10:45	2	3	1	0
10:45	11:00	1	3	1	0
11:00	11:15	3	4	0	0
11:15	11:30	2	0	1	0
11:30	11:45	4	2	0	0
11:45	12:00	5	3	0	0
12:00	12:15	4	4	0	0
12:15	12:30	3	4	0	0
12:30	12:45	3	4	0	0
12:45	13:00	5	5	0	0
13:00	13:15	3	3	0	0
13:15	13:30	1	3	0	0
13:30	13:45	1	3	0	0
13:45	14:00	10	1	0	0
14:00	14:15	5	2	0	0
14:15	14:30	7	4	0	0
14:30	14:45	2	4	1	0
14:45	15:00	1	3	0	0
15:00	15:15	4	1	0	0
15:15	15:30	1	7	0	0
15:30	15:45	5	4	0	0
15:45	16:00	4	1	0	0
16:00	16:15	0	5	2	0
16:15	16:30	1	2	0	0
16:30	16:45	1	5	0	0
16:45	17:00	1	3	0	0
17:00	17:15	0	0	0	0
17:15	17:30	0	2	0	0
17:30	17:45	0	1	0	0
17:45	18:00	0	0	0	0
Total		103	103	8	0

Sunda	y 28th Jul	y 2019			
15	-	Caralia	Cars Out	Dodo	Diavalas
minute		Cars In	Cars Out	Peds	Bicycles
Start	End				
8:00	8:15	3	1	0	0
8:15	8:30	5	1	0	0
8:30	8:45	4	1	0	0
8:45	9:00	3	1	0	0
9:00	9:15	3	5	0	0
9:15	9:30	4	4	0	0
9:30	9:45	1	3	0	0
9:45	10:00	0	2	0	0
10:00	10:15	0	1	0	0
10:15	10:30	4	5	0	0
10:30	10:45	2	2	0	0
10:45	11:00	3	3	0	0
11:00	11:15	5	3	0	0
11:15	11:30	6	3	1	0
11:30	11:45	3	3	0	0
11:45	12:00	4	2	0	0
12:00	12:15	2	3	0	0
12:15	12:30	3	1	0	0
12:30	12:45	3	3	0	0
12:45	13:00	6	4	2	0
13:00	13:15	2	3	2	0
13:15	13:30	4	3	0	0
13:30	13:45	0	3	0	0
13:45	14:00	3	4	0	0
14:00	14:15	3	3	0	0
14:15	14:30	0	3	1	0
14:30	14:45	3	2	0	0
14:45	15:00	9	3	0	0
15:00	15:15	5	4	1	0
15:15	15:30	0	2	0	0
15:30	15:45	4	5	0	0
15:45	16:00	1	3	0	0
16:00	16:15	1	4	1	0
16:15	16:30	1	4	0	0
16:30	16:45	1	2	0	0
16:45	17:00	0	3	0	0
17:00	17:15	0	0	0	0
17:15	17:30	0	2	0	0
17:30	17:45	0	0	0	0
17:45	18:00	0	0	0	0
Total		101	104	8	0

Site Location	Zoom Car Wash Café
Survey Date	14th, 15th June & 28th July 2019
Survey Period	8am-6pm
Main Traffic Flow	Canterbury Road
AM Peak Period	9:30am - 10:30am
PM Peak Period	3:45pm - 4:45pm



IAM Pask Pariad	10:30am - 11:30am
PM Peak Period	1:00pm - 2:00pm

IAM Posk Pariod	11:00am - 12:00pm
PM Peak Period	12:45pm - 1:45pm

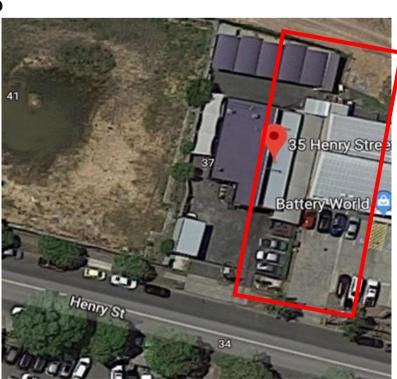
14th June	∠019 						Satu T
15 min Period		Westbound		Eastbound		Hourly Total	
Start	End	Cars	Trucks	Cars	Trucks		
8:00 AM	8:15 AM	191	18	227	24		
8:15 AM	8:30 AM	226	12	218	33		1
8:30 AM	8:45 AM	191	14	213	22		1
8:45 AM	9:00 AM	205	16	246	20	1876	1
9:00 AM	9:15 AM	174	15	223	32	1860	
9:15 AM	9:30 AM	219	20	217	34	1861	
9:30 AM	9:45 AM	201	27	236	30	1915	
9:45 AM	10:00 AM	216	36	210	35	1925	1
10:00 AM	10:15 AM	214	26	201	37	1959	
10:15 AM	10:30 AM	212	27	180	23	1911	7
10:30 AM	10:45 AM	217	30	209	46	1919	1
10:45 AM	11:00 AM	234	21	197	32	1906	7
11:00 AM	11:15 AM	218	28	177	17	1868	1
11:15 AM	11:30 AM	216	27	233	26	1928	1
11:30 AM	11:45 AM	230	25	220	28	1929	
11:45 AM	12:00 PM	227	26	227	18	1943	
12:00 PM	12:15 PM	234	23	170	38	1968	
12:15 PM	12:30 PM	226	33	216	28	1969	
12:30 PM	12:45 PM	236	26	243	23	1994	
12:45 PM	1:00 PM	203	25	219	26	1969	
1:00 PM	1:15 PM	261	30	203	29	2027	
1:15 PM	1:30 PM	261	25	215	21	2046	1
1:30 PM	1:45 PM	312	28	230	27	2115	
1:45 PM	2:00 PM	258	33	218	30	2181	
2:00 PM	2:15 PM	285	27	235	12	2217	
2:15 PM	2:30 PM	259	21	220	19	2214	
2:30 PM	2:45 PM	285	21	234	11	2168	1
2:45 PM	3:00 PM	265	19	259	9	2181	1
3:00 PM	3:15 PM	261	28	221	14	2146	1
3:15 PM	3:30 PM	269	27	228	23	2174	1
3:30 PM	3:45 PM	234	20	241	14	2132	1
3:45 PM	4:00 PM	308	20	264	12	2184	1
4:00 PM	4:15 PM	301	14	273	17	2265	1
4:15 PM	4:30 PM	263	23	267	7	2278	1
4:30 PM	4:45 PM	239	15	251	12	2286	
4:45 PM	5:00 PM	282	15	258	9	2246	1
5:00 PM	5:15 PM	287	14	279	3	2224	1
5:15 PM	5:30 PM	295	16	248	6	2229	1
5:30 PM	5:45 PM	283	3	233	7	2238	1
5:45 PM	6:00 PM	270	8	246	6	2204	1
AM Peak P		850	109	864	136	1959	1
PM Peak P		1111	72	1055	48	2286	1
Jan I	J.10 G	9768	882	9105	860	20615	-

day 15th Jun	e 2019					
15 min Period		Westbound		Eastbound		Hourly Total
Start	End	Cars	Trucks	Cars	Trucks	
8:00 AM	8:15 AM	145	17	178	12	
8:15 AM	8:30 AM	185	9	199	9	
8:30 AM	8:45 AM	186	5	180	16	
8:45 AM	9:00 AM	174	10	213	10	1548
9:00 AM	9:15 AM	173	11	203	6	1589
9:15 AM	9:30 AM	213	13	206	9	1628
9:30 AM	9:45 AM	217	8	222	21	1709
9:45 AM	10:00 AM	217	11	235	9	1774
10:00 AM	10:15 AM	238	12	224	8	1863
10:15 AM	10:30 AM	252	10	203	12	1899
10:30 AM	10:45 AM	262	15	239	13	1960
10:45 AM	11:00 AM	257	8	260	7	2020
11:00 AM	11:15 AM	259	9	225	13	2044
11:15 AM	11:30 AM	255	12	259	5	2098
11:30 AM	11:45 AM	282	10	220	6	2087
11:45 AM	12:00 PM	265	8	257	5	2090
12:00 PM	12:15 PM	265	9	249	8	2115
12:15 PM	12:30 PM	273	9	251	10	2127
12:30 PM	12:45 PM	305	6	297	8	2225
12:45 PM	1:00 PM	304	7	247	5	2253
1:00 PM	1:15 PM	339	3	283	4	2351
1:15 PM	1:30 PM	314	5	308	4	2439
1:30 PM	1:45 PM	280	6	304	1	2414
1:45 PM	2:00 PM	311	12	299	2	2475
2:00 PM	2:15 PM	308	10	295	3	2462
2:15 PM	2:30 PM	289	10	273	6	2409
2:30 PM	2:45 PM	329	11	260	6	2424
2:45 PM	3:00 PM	337	7	245	5	2394
3:00 PM	3:15 PM	312	5	292	6	2393
3:15 PM	3:30 PM	315	9	280	7	2426
3:30 PM	3:45 PM	288	4	265	3	2380
3:45 PM	4:00 PM	283	4	309	6	2388
4:00 PM	4:15 PM	311	8	243	3	2338
4:15 PM	4:30 PM	291	5	273	2	2298
4:30 PM	4:45 PM	289	2	271	1	2301
4:45 PM	5:00 PM	299	5	261	3	2267
5:00 PM	5:15 PM	272	3	282	0	2259
5:15 PM	5:30 PM	288	3	259	6	2244
5:30 PM	5:45 PM	264	4	259	5	2213
5:45 PM	6:00 PM	225	4	249	2	2125
AM Peak F		1033	44	983	38	2098
PM Peak F	Period	1244	26	1194	11	2475
Total		10671	319	10077	267	21334

Sund	ay 28th July	2019					
	15 min Period		Westbound		Eastbound		Hourly Total
	Start	End	Cars	Trucks	Cars	Trucks	
1	8:00 AM	8:15 AM	91	0	81	5	
	8:15 AM	8:30 AM	116	4	111	3	
	8:30 AM	8:45 AM	148	4	139	4	
1	8:45 AM	9:00 AM	153	2	144	3	1008
	9:00 AM	9:15 AM	176	2	147	1	1157
	9:15 AM	9:30 AM	195	3	185	6	1312
	9:30 AM	9:45 AM	188	5	202	2	1414
	9:45 AM	10:00 AM	205	5	194	2	1518
	10:00 AM	10:15 AM	216	3	198	5	1614
	10:15 AM	10:30 AM	219	6	197	4	1651
	10:30 AM	10:45 AM	251	5	195	2	1707
	10:45 AM	11:00 AM	273	8	204	2	1788
	11:00 AM	11:15 AM	270	3	195	6	1840
	11:15 AM	11:30 AM	252	5	237	3	1911
	11:30 AM	11:45 AM	294	3	278	2	2035
	11:45 AM	12:00 PM	263	4	234	3	2052
	12:00 PM	12:15 PM	261	1	295	6	2141
_	12:15 PM	12:30 PM	291	3	272	3	2213
_	12:30 PM	12:45 PM	277	4	266	1	2184
	12:45 PM	1:00 PM	289	6	301	2	2278
_	1:00 PM	1:15 PM	317	3	281	2	2318
	1:15 PM	1:30 PM	265	3	280	4	2301
	1:30 PM	1:45 PM	283	5	289	3	2333
	1:45 PM	2:00 PM	264	0	282	3	2284
	2:00 PM	2:15 PM	295	2	257	2	2237
4	2:15 PM	2:30 PM	277	3	255	3	2223
4	2:30 PM	2:45 PM	244	3	324	8	2222
4	2:45 PM	3:00 PM	255	1	220	6	2155
-	3:00 PM	3:15 PM	266	2	277	3	2147
4	3:15 PM	3:30 PM	269	1	241	3	2123
-	3:30 PM	3:45 PM	281	2	271	2	2100
4	3:45 PM	4:00 PM	281	3	212	1	2115
-	4:00 PM	4:15 PM	292	3	297	2	2161
	4:15 PM	4:30 PM	306	7	266	3	2229
4	4:30 PM	4:45 PM	267	4	256	1	2201
-	4:45 PM	5:00 PM	283	4	279	1	2271
-	5:00 PM 5:15 PM	5:15 PM	262	5 4	249 275	4	2197
-	5:15 PM 5:30 PM	5:30 PM 5:45 PM	270 258	8	261	5 4	2169 2172
-	5:45 PM	6:00 PM	256	2	210	7	2080
\exists	AM Peak F		1079	∠ 15	944	14	2052
-	PM Peak F		1154	17	1151	11	2333
-	Total	GIIUU	9919	141	9357	132	19549
J	Total		818	171	<i>3</i> 331	102	19049



Car Wash Cafe Site Information	
Site Location	Elegance Car Wash
Building Area m ²	
Year Opened	
Opening Times	8:00am-4:00pm (closed Tuesdays)
Type of Car Wash (Auto/Manual/Self/Etc)	
Number of Employees per shift	
Surrounding Land Use	
Proximity to Public Transport	
Survey Date	14th, 15th June & 28th July 2019
Survey Period	8:00am-4:00pm
Number of Pedestrian Access Points	
Number of Vehicle Entry/Exit Points	
Number of On-Site Parking Bays (Including bicycle parking)	
Number of Loading bays	
Number of Car Wash Bays	
Number of Hybrid/Electric Bays	
Number of Disabled Bays	
Number of Bicycle Parking Bays	
Number of Staff Parking Bays	
Traffic Surveyor Comments (eg. Local issues?, Roadworks?, Closed Areas?, Disability Acess?, etc)	



Friday	14th June	2019			
15 minute Period		Cars In	Cars Out	Peds	Bicycles
Start	End				
8:00	8:15	0	0	0	0
8:15	8:30	1	0	1	0
8:30	8:45	0	0	0	0
8:45	9:00	2	0	0	0
9:00	9:15	4	0	0	0
9:15	9:30	1	1	0	0
9:30	9:45	3	1	0	0
9:45	10:00	0	0	0	0
10:00	10:15	2	2	0	0
10:15	10:30	0	1	0	0
10:30	10:45	1	0	0	0
10:45	11:00	0	1	0	0
11:00	11:15	0	1	0	0
11:15	11:30	1	2	0	0
11:30	11:45	0	2	0	0
11:45	12:00	0	0	0	0
12:00	12:15	2	2	2	0
12:15	12:30	0	1	0	0
12:30	12:45	1	0	0	0
12:45	13:00	2	1	0	0
13:00	13:15	0	1	1	0
13:15	13:30	0	0	0	0
13:30	13:45	0	1	1	0
13:45	14:00	2	0	0	0
14:00	14:15	1	0	0	0
14:15	14:30	2	1	0	0
14:30	14:45	0	1	0	0
14:45	15:00	2	1	0	0
15:00	15:15	0	0	0	0
15:15	15:30	0	0	0	0
15:30	15:45	0	0	0	0
15:45	16:00	0	1	0	0
Total		27	21	5	0

Saturd	Saturday 15th June 2019							
15 minute	15 minute		Cars Out	Peds	Bicycles			
Period		Cars In	Carsout	i cus	Dicycles			
Start	End							
8:00	8:15	1	0	5	0			
8:15	8:30	2	0	0	0			
8:30	8:45	2	0	0	0			
8:45	9:00	2	0	0	0			
9:00	9:15	2	2	0	0			
9:15	9:30	0	1	0	0			
9:30	9:45	0	1	0	0			
9:45	10:00	1	1	0	0			
10:00	10:15	1	1	1	0			
10:15	10:30	3	0	0	0			
10:30	10:45	0	2	0	0			
10:45	11:00	0	1	0	0			
11:00	11:15	1	0	0	0			
11:15	11:30	3	2	0	0			
11:30	11:45	0	3	0	0			
11:45	12:00	1	1	0	0			
12:00	12:15	0	1	2	0			
12:15	12:30	1	2	2	0			
12:30	12:45	1	1	0	0			
12:45	13:00	1	1	0	0			
13:00	13:15	0	0	1	0			
13:15	13:30	0	0	0	0			
13:30	13:45	0	0	0	0			
13:45	14:00	1	3	0	0			
14:00	14:15	1	0	0	0			
14:15	14:30	1	1	1	0			
14:30	14:45	0	0	0	0			
14:45	15:00	1	3	0	0			
15:00	15:15	0	0	0	0			
15:15	15:30	1	1	0	0			
15:30	15:45	1	1	0	0			
15:45	16:00	1	1	0	0			
Total		29	30	12	0			

15 minute Period Start 8:00		Cars In			
Start	5 .1	Carsin		Dode	Picycles
			Cars Out	Peds	Bicycles
8.00	End				
0.00	8:15	1	0	1	0
8:15	8:30	0	0	0	0
8:30	8:45	1	0	0	0
8:45	9:00	1	1	0	0
9:00	9:15	1	2	0	0
9:15	9:30	1	0	1	0
9:30	9:45	0	0	0	0
9:45	10:00	1	0	0	0
10:00	10:15	1	0	0	0
10:15	10:30	0	0	1	0
10:30	10:45	2	1	2	0
10:45	11:00	2	1	0	0
11:00	11:15	1	1	0	0
11:15	11:30	0	0	0	0
11:30	11:45	1	1	0	0
11:45	12:00	2	2	1	0
12:00	12:15	1	0	0	0
12:15	12:30	0	0	0	0
12:30	12:45	1	2	1	0
12:45	13:00	0	2	4	0
13:00	13:15	3	0	0	0
13:15	13:30	2	3	6	0
13:30	13:45	2	5	0	0
13:45	14:00	1	0	0	0
14:00	14:15	0	0	0	0
14:15	14:30	0	1	0	0
14:30	14:45	2	0	0	0
14:45	15:00	1	1	0	0
15:00	15:15	0	0	2	0
15:15	15:30	1	4	1	0
15:30	15:45	0	0	0	0
15:45	16:00	0	1	1	0
Total		29	28	21	0

Site Location	Elegance Car Wash
Survey Date	14th, 15th June & 28th July 2019
Survey Period	8am-4pm
Main Traffic Flow	Henry Street
AM Peak Period	8:15am - 9:15am
PM Peak Period	3:15pm - 4:15pm



AM Peak Period	11:00am - 12:00pm
PM Peak Period	12:30pm - 1:30pm

AIVI Peak Period	11:00am - 12:00pm
PM Peak Period	12:15pm - 1:15pm

y 14th June	2019						Satur
15 min Period		Westbound		Eastbound		Hourly Total	
Start	End	Cars	Trucks	Cars	Trucks		
8:00 AM	8:15 AM	72	3	78	2		
8:15 AM	8:30 AM	121	1	82	2		
8:30 AM	8:45 AM	93	2	88	3		
8:45 AM	9:00 AM	129	1	85	0	762	
9:00 AM	9:15 AM	131	3	108	2	851	
9:15 AM	9:30 AM	127	1	76	1	850	
9:30 AM	9:45 AM	101	5	65	1	836	
9:45 AM	10:00 AM	99	5	79	3	807	
10:00 AM	10:15 AM	91	2	81	1	738	
10:15 AM	10:30 AM	77	3	84	3	700	
10:30 AM	10:45 AM	95	2	84	3	712	
10:45 AM	11:00 AM	89	3	90	2	710	
11:00 AM	11:15 AM	88	2	98	0	723	
11:15 AM	11:30 AM	105	7	92	2	762	
11:30 AM	11:45 AM	115	2	115	2	812	
11:45 AM	12:00 PM	88	1	86	3	806	
12:00 PM	12:15 PM	102	2	63	0	785	
12:15 PM	12:30 PM	111	3	111	3	807	
12:30 PM	12:45 PM	102	2	107	2	786	
12:45 PM	1:00 PM	98	3	110	2	821	
1:00 PM	1:15 PM	97	1	106	1	859	
1:15 PM	1:30 PM	84	4	88	0	807	
1:30 PM	1:45 PM	105	5	104	2	810	
1:45 PM	2:00 PM	101	3	104	1	806	
2:00 PM	2:15 PM	81	5	98	2	787	
2:15 PM	2:30 PM	108	4	118	2	843	
2:30 PM	2:45 PM	114	1	86	2	830	
2:45 PM	3:00 PM	96	4	106	1	828]
3:00 PM	3:15 PM	103	3	116	2	866]
3:15 PM	3:30 PM	117	4	104	2	861	
3:30 PM	3:45 PM	111	3	100	3	875	
3:45 PM	4:00 PM	129	1	120	2	920	
AM Peak P	eriod	474	7	363	7	851]
PM Peak P	eriod	460	11	440	9	920]
Total		3280	91	3032	57	6460	

day 15th Jun	ne 2019					
15 min Period		Westbound		Eastbound		Hourly Total
Start	End	Cars	Trucks	Cars	Trucks	
8:00 AM	8:15 AM	44	4	27	2	
8:15 AM	8:30 AM	55	1	36	1	
8:30 AM	8:45 AM	67	1	36	1	
8:45 AM	9:00 AM	93	0	48	1	417
9:00 AM	9:15 AM	92	3	52	0	487
9:15 AM	9:30 AM	87	1	73	0	555
9:30 AM	9:45 AM	90	0	72	0	612
9:45 AM	10:00 AM	90	3	69	2	634
10:00 AM	10:15 AM	98	0	91	0	676
10:15 AM	10:30 AM	107	0	66	1	689
10:30 AM	10:45 AM	114	1	96	0	738
10:45 AM	11:00 AM	127	1	90	1	793
11:00 AM	11:15 AM	96	0	116	0	816
11:15 AM	11:30 AM	104	0	97	0	843
11:30 AM	11:45 AM	106	3	107	0	848
11:45 AM	12:00 PM	138	0	104	1	872
12:00 PM	12:15 PM	121	2	111	0	894
12:15 PM	12:30 PM	111	0	101	0	905
12:30 PM	12:45 PM	117	6	118	0	930
12:45 PM	1:00 PM	135	1	94	2	919
1:00 PM	1:15 PM	128	3	112	0	928
1:15 PM	1:30 PM	107	2	111	2	938
1:30 PM	1:45 PM	91	3	114	1	906
1:45 PM	2:00 PM	78	2	116	1	871
2:00 PM	2:15 PM	100	1	91	1	821
2:15 PM	2:30 PM	102	0	123	0	824
2:30 PM	2:45 PM	92	2	98	1	808
2:45 PM	3:00 PM	101	0	109	1	822
3:00 PM	3:15 PM	99	1	85	0	814
3:15 PM	3:30 PM	79	0	97	1	766
3:30 PM	3:45 PM	77	1	88	0	739
3:45 PM	4:00 PM	76	1	83	1	689
AM Peak F	Period	444	3	424	1	872
PM Peak F	Period	487	12	435	4	938
Total		3122	43	2831	21	6017

nday 28th July	2019					
15 min Period		Westbound		Eastbound		Hourly Total
Start	End	Cars	Trucks	Cars	Trucks	
8:00 AM	8:15 AM	23	3	12	0	
8:15 AM	8:30 AM	25	0	25	0	
8:30 AM	8:45 AM	24	0	25	1	
8:45 AM	9:00 AM	41	0	33	0	212
9:00 AM	9:15 AM	48	2	17	1	242
9:15 AM	9:30 AM	46	0	33	0	271
9:30 AM	9:45 AM	37	0	41	1	300
9:45 AM	10:00 AM	63	0	49	0	338
10:00 AM	10:15 AM	48	1	48	0	367
10:15 AM	10:30 AM	61	0	66	1	416
10:30 AM	10:45 AM	60	1	44	0	442
10:45 AM	11:00 AM	78	0	71	0	479
11:00 AM	11:15 AM	95	1	69	0	547
11:15 AM	11:30 AM	95	1	70	1	586
11:30 AM	11:45 AM	95	0	62	0	638
11:45 AM	12:00 PM	89	0	90	0	668
12:00 PM	12:15 PM	98	1	70	0	672
12:15 PM	12:30 PM	99	3	79	1	687
12:30 PM	12:45 PM	106	1	80	0	717
12:45 PM	1:00 PM	110	0	97	0	745
1:00 PM	1:15 PM	81	1	95	1	754
1:15 PM	1:30 PM	75	0	70	1	718
1:30 PM	1:45 PM	89	0	86	1	707
1:45 PM	2:00 PM	77	0	104	0	681
2:00 PM	2:15 PM	69	1	83	1	657
2:15 PM	2:30 PM	71	1	84	0	667
2:30 PM	2:45 PM	68	0	85	1	645
2:45 PM	3:00 PM	73	0	76	0	613
3:00 PM	3:15 PM	60	1	88	1	609
3:15 PM	3:30 PM	63	0	88	1	605
3:30 PM	3:45 PM	59	0	92	1	603
3:45 PM	4:00 PM	60	1	82	0	597
AM Peak F		374	2	291	1	668
PM Peak F		396	5	351	2	754
Total		2186	19	2114	14	4333



Car Wash Cafe Site Information	
Site Location	Rainbow Hand Car Wash & Café
Building Area m ²	
Year Opened	
Opening Times	8:00am-4:45pm (closed Tuesdays)
Type of Car Wash (Auto/Manual/Self/Etc)	
Number of Employees per shift	
Surrounding Land Use	
Proximity to Public Transport	
Survey Date	14th, 15th June & 28th July 2019
Survey Period	8:00am-4:45pm
Number of Pedestrian Access Points	
Number of Vehicle Entry/Exit Points	
Number of On-Site Parking Bays (Including bicycle parking)	
Number of Loading bays	
Number of Car Wash Bays	
Number of Hybrid/Electric Bays	
Number of Disabled Bays	
Number of Bicycle Parking Bays	
Number of Staff Parking Bays	
Traffic Surveyor Comments (eg. Local issues?, Roadworks?, Closed Areas?, Disability Acess?, etc)	



	Friday	y 14th June	e 2019				;	Saturda	ay 15th
	15		Coro In	Coro Out	Dodo	Diavalas		15	
1	minute		Cars In	Cars Out	Peds	Bicycles	m	ninute	
	Start	End					•	Start	Enc
	8:00	8:15	1	0	1	0		8:00	8:18
	8:15	8:30	3	0	0	0		8:15	8:30
	8:30	8:45	2	2	0	0		8:30	8:48
	8:45	9:00	3	2	0	0		8:45	9:00
L	9:00	9:15	3	2	1	0		9:00	9:18
	9:15	9:30	2	2	0	0		9:15	9:30
	9:30	9:45	2	2	0	0		9:30	9:45
	9:45	10:00	4	3	0	0		9:45	10:0
	10:00	10:15	2	2	0	0	1	10:00	10:1
	10:15	10:30	1	3	0	0	1	10:15	10:3
	10:30	10:45	2	3	0	0	1	10:30	10:4
	10:45	11:00	6	2	0	0	1	10:45	11:0
	11:00	11:15	3	3	0	0	1	11:00	11:1
	11:15	11:30	3	3	0	0	1	11:15	11:3
	11:30	11:45	3	1	0	0	1	11:30	11:4
	11:45	12:00	3	3	0	0	1	11:45	12:0
	12:00	12:15	2	4	0	0	1	12:00	12:1
	12:15	12:30	2	4	0	0	1	12:15	12:3
	12:30	12:45	2	2	0	0	1	12:30	12:4
	12:45	13:00	1	3	1	0	1	12:45	13:0
	13:00	13:15	4	3	0	0	1	13:00	13:1
	13:15	13:30	2	2	0	0	1	13:15	13:3
	13:30	13:45	4	4	1	0	1	13:30	13:4
	13:45	14:00	3	4	1	0	1	13:45	14:0
	14:00	14:15	5	3	0	0	1	14:00	14:1
	14:15	14:30	3	2	0	0	1	14:15	14:3
	14:30	14:45	2	1	1	0	1	14:30	14:4
	14:45	15:00	3	2	1	0	1	14:45	15:0
	15:00	15:15	2	3	0	0	1	15:00	15:1
	15:15	15:30	2	3	0	0	1	15:15	15:3
	15:30	15:45	3	2	0	0	1	15:30	15:4
	15:45	16:00	1	4	0	0	1	15:45	16:0
	16:00	16:15	2	3	0	0	1	16:00	16:1
	16:15	16:30	1	4	0	0	1	16:15	16:3
	16:30	16:45	1	0	0	0	1	16:30	16:4
	Total		88	86	7	0	_	Total	

15 minute		Cars In	Cars Out	Peds	Bicycles
Start	End				
8:00	8:15	1	0	1	0
8:15	8:30	4	1	0	0
8:30	8:45	0	1	4	0
8:45	9:00	2	1	0	0
9:00	9:15	3	2	0	0
9:15	9:30	2	2	0	0
9:30	9:45	5	2	0	0
9:45	10:00	1	1	0	0
10:00	10:15	1	2	4	0
10:15	10:30	3	3	0	0
10:30	10:45	9	1	2	0
10:45	11:00	4	1	0	0
11:00	11:15	3	2	0	0
11:15	11:30	5	1	0	0
11:30	11:45	3	4	0	0
11:45	12:00	2	4	3	0
12:00	12:15	2	3	1	0
12:15	12:30	3	2	0	0
12:30	12:45	5	3	0	0
12:45	13:00	3	4	0	0
13:00	13:15	6	1	0	0
13:15	13:30	1	7	0	0
13:30	13:45	1	2	0	0
13:45	14:00	2	3	0	0
14:00	14:15	3	2	2	0
14:15	14:30	4	4	0	0
14:30	14:45	3	3	1	0
14:45	15:00	4	5	0	0
15:00	15:15	0	2	0	0
15:15	15:30	0	3	0	0
15:30	15:45	4	3	1	0
15:45	16:00	1	3	0	0
16:00	16:15	2	2	1	0
16:15	16:30	4	4	0	0
16:30	16:45	0	3	0	0
Total		96	87	20	0

15					
minute		Cars In	Cars Out	Peds	Bicycles
Start	End				
8:00	8:15	4	0	1	0
8:15	8:30	3	1	0	0
8:30	8:45	1	3	1	0
8:45	9:00	3	2	1	0
9:00	9:00	2	2	0	0
9:15	9:30	5	1	0	0
	9:45	5	1	0	0
9:30		1	5	0	0
9:45	10:00				
10:00	10:15	2	2	0	0
10:15	10:30	2	5	3	0
10:30	10:45	2	6	0	0
10:45	11:00	5	0	0	0
11:00	11:15	2	3	3	0
11:15	11:30	4	5	0	0
11:30	11:45	1	2	2	0
11:45	12:00	1	5	0	0
12:00	12:15	2	1	0	0
12:15	12:30	6	3	0	0
12:30	12:45	1	3	3	0
12:45	13:00	4	3	0	0
13:00	13:15	2	5	1	0
13:15	13:30	2	2	0	0
13:30	13:45	4	1	1	0
13:45	14:00	2	3	4	0
14:00	14:15	6	4	4	0
14:15	14:30	3	4	1	0
14:30	14:45	2	4	2	0
14:45	15:00	5	2	0	0
15:00	15:15	2	3	0	0
15:15	15:30	4	4	1	0
15:30	15:45	3	4	1	0
15:45	16:00	2	2	0	0
16:00	16:15	4	5	5	0
16:15	16:30	3	2	0	0
16:30	16:45	0	3	0	0
Total		100	101	34	0

Site Location	Rainbow Hand Car Wash
Survey Date	14th, 15th June & 28th July 2019
Survey Period	8am-4:45pm
Main Traffic Flow	Victoria Road
AM Peak Period	8:00am - 9:00am
PM Peak Period	3:30pm - 4:30pm

Frida	y 14th June					
15 min Period		Westbound		Eastbound		Hourly Total
Start	End	Cars	Trucks	Cars	Trucks	
		5 511 5		3 511 5		
9:00 AM	9:15 AM	334	20	506	35	3940
9:15 AM	9:30 AM	301	34	645	33	3856
9:30 AM	9:45 AM	346	26	535	19	3832
9:45 AM	10:00 AM	372	30	595	30	3861
10:00 AM	10:15 AM	315	21	500	36	3838
10:15 AM	10:30 AM	359	30	496	34	3744
10:30 AM	10:45 AM	341	18	497	27	3701
10:45 AM	11:00 AM	348	28	523	29	3602
11:00 AM	11:15 AM	358	22	503	32	3645
11:15 AM	11:30 AM	391	28	504	19	3668
11:30 AM	11:45 AM	361	22	492	25	3685
11:45 AM	12:00 PM	377	27	490	19	3670
12:00 PM	12:15 PM	359	30	461	22	3627
12:15 PM	12:30 PM	408	18	468	31	3610
12:30 PM	12:45 PM	404	31	419	22	3586
12:45 PM	1:00 PM	402	18	468	22	3583
1:00 PM	1:15 PM	377	24	446	23	3581
1:15 PM	1:30 PM	410	17	458	19	3560
1:30 PM	1:45 PM	420	26	456	28	3614
1:45 PM	2:00 PM	439	25	411	15	3594
2:00 PM	2:15 PM	479	15	433	27	3678
2:15 PM	2:30 PM	536	18	449	37	3814
2:30 PM	2:45 PM	458	24	451	21	3838
2:45 PM	3:00 PM	514	23	473	26	3984
3:00 PM	3:15 PM	403	23	476	27	3959
3:15 PM	3:30 PM	411	15	497	21	3863
						4224
						4446
						4670
4:30 PM	4:45 PM	555	15	521	15	4742
AM Peak P	eriod	1565	110	2276	112	4063
PM Peak P	eriod	2491	98	2256	106	4951

Total



Am I can I ciloa	11:00am - 12:00pm
PM Peak Period	1:45pm - 2:45pm

Saturd	Saturday 15th June 2019					
15 min Period		Westbound		Eastbound		Hourly Total
Start	End	Cars	Trucks	Cars	Trucks	
8:00 AM	8:15 AM	245	12	447	19	
8:15 AM	8:30 AM	266	11	451	14	
8:30 AM	8:45 AM	291	12	533	10	
8:45 AM	9:00 AM	334	8	519	14	3186
9:00 AM	9:15 AM	312	8	520	23	3326
9:15 AM	9:30 AM	373	12	536	15	3520
9:30 AM	9:45 AM	416	13	505	14	3622
9:45 AM	10:00 AM	397	6	560	16	3726
10:00 AM	10:15 AM	383	11	534	12	3803
10:15 AM	10:30 AM	421	15	560	14	3877
10:30 AM	10:45 AM	408	10	516	9	3872
10:45 AM	11:00 AM	423	11	576	8	3911
11:00 AM	11:15 AM	431	12	542	17	3973
11:15 AM	11:30 AM	418	11	555	10	3957
11:30 AM	11:45 AM	503	14	571	12	4114
11:45 AM	12:00 PM	479	9	567	12	4163
12:00 PM	12:15 PM	487	11	573	12	4244
12:15 PM	12:30 PM	510	9	560	14	4343
12:30 PM	12:45 PM	550	12	590	12	4407
12:45 PM	1:00 PM	515	18	528	5	4406
1:00 PM	1:15 PM	542	16	561	23	4465
1:15 PM	1:30 PM	470	15	523	29	4409
1:30 PM	1:45 PM	527	17	603	11	4403
1:45 PM	2:00 PM	551	11	588	15	4502
2:00 PM	2:15 PM	559	10	567	10	4506
2:15 PM	2:30 PM	556	9	596	11	4641
2:30 PM	2:45 PM	564	10	591	11	4659
2:45 PM	3:00 PM	499	9	578	10	4590
3:00 PM	3:15 PM	499	9	501	11	4464
3:15 PM	3:30 PM	577	5	577	9	4460
3:30 PM	3:45 PM	504	11	538	10	4347
3:45 PM	4:00 PM	539	9	493	10	4302
4:00 PM	4:15 PM	544	12	575	12	4425
4:15 PM	4:30 PM	523	13	593	9	4395
4:30 PM	4:45 PM	543	6	552	7	4440
AM Peak F	Period	1831	46	2235	51	4163
PM Peak F	Period	2230	40	2342	47	4659
Total		16159	387	19179	450	36175

AM Peak Period	11:00am - 12:00pm
PM Peak Period	12:15pm - 1:15pm

Sunday 28th July 2019						
15 min Period		Westbound		Eastbound		Hourly Total
Start	End	Cars	Trucks	Cars	Trucks	
8:00 AM	8:15 AM	145	2	280	10	
8:15 AM	8:30 AM	159	5	304	10	
8:30 AM	8:45 AM	211	4	372	10	
8:45 AM	9:00 AM	237	8	397	8	2162
9:00 AM	9:15 AM	204	8	406	12	2355
9:15 AM	9:30 AM	230	5	491	7	2610
9:30 AM	9:45 AM	301	4	536	11	2865
9:45 AM	10:00 AM	314	4	554	10	3097
10:00 AM	10:15 AM	306	10	530	10	3323
10:15 AM	10:30 AM	363	5	519	11	3488
10:30 AM	10:45 AM	360	8	527	7	3538
10:45 AM	11:00 AM	417	4	536	8	3621
11:00 AM	11:15 AM	396	9	565	8	3743
11:15 AM	11:30 AM	388	6	556	8	3803
11:30 AM	11:45 AM	438	5	539	6	3889
11:45 AM	12:00 PM	451	9	568	1	3953
12:00 PM	12:15 PM	467	7	573	7	4029
12:15 PM	12:30 PM	475	8	566	7	4127
12:30 PM	12:45 PM	460	5	594	5	4203
12:45 PM	1:00 PM	468	4	555	6	4207
1:00 PM	1:15 PM	443	7	597	8	4208
1:15 PM	1:30 PM	451	5	570	9	4187
1:30 PM	1:45 PM	426	6	547	10	4112
1:45 PM	2:00 PM	414	5	594	4	4096
2:00 PM	2:15 PM	460	5	554	5	4065
2:15 PM	2:30 PM	512	7	564	5	4118
2:30 PM	2:45 PM	438	5	558	8	4138
2:45 PM	3:00 PM	505	8	527	6	4167
3:00 PM	3:15 PM	493	8	496	15	4155
3:15 PM	3:30 PM	493	5	502	10	4077
3:30 PM	3:45 PM	545	5	473	15	4106
3:45 PM	4:00 PM	489	7	474	6	4036
4:00 PM	4:15 PM	516	8	427	6	3981
4:15 PM	4:30 PM	524	5	445	8	3953
4:30 PM	4:45 PM	526	9	472	7	3929
AM Peak F	Period	1673	29	2228	23	3953
PM Peak F	Period	1846	24	2312	26	4208
Total		14025	215	17768	284	32292



Car Wash Cafe Site Information	
Site Location	Sydney Car Wash Café
Building Area m ²	
Year Opened	
Opening Times	8:00am-6:00pm
Type of Car Wash (Auto/Manual/Self/Etc)	
Number of Employees per shift	
Surrounding Land Use	
Proximity to Public Transport	
Survey Date	14th - 16th June 2019
Survey Period	8:00am-6:00pm
Number of Pedestrian Access Points	
Number of Vehicle Entry/Exit Points	
Number of On-Site Parking Bays (Including bicycle parking)	
Number of Loading bays	
Number of Car Wash Bays	
Number of Hybrid/Electric Bays	
Number of Disabled Bays	
Number of Bicycle Parking Bays	
Number of Staff Parking Bays	
Traffic Surveyor Comments (eg. Local issues?, Roadworks?, Closed Areas?, Disability Acess?, etc)	



Friday	14th June	e 2019			
15		Cars In	Cars Out	Peds	Bicycles
minute			Cars Out	i cus	Dicycles
Start	End				
8:00	8:15	2	0	1	0
8:15	8:30	0	0	1	0
8:30	8:45	2	2	1	0
8:45	9:00	0	0	0	0
9:00	9:15	0	1	0	0
9:15	9:30	1	0	1	0
9:30	9:45	0	0	0	0
9:45	10:00	0	1	0	0
10:00	10:15	1	0	0	0
10:15	10:30	0	0	0	0
10:30	10:45	1	1	0	0
10:45	11:00	1	2	0	0
11:00	11:15	2	0	0	0
11:15	11:30	2	1	0	0
11:30	11:45	0	1	0	0
11:45	12:00	0	0	0	0
12:00	12:15	1	3	0	0
12:15	12:30	0	0	0	0
12:30	12:45	1	0	0	0
12:45	13:00	5	0	0	0
13:00	13:15	2	1	0	0
13:15	13:30	1	1	0	0
13:30	13:45	0	1	2	0
13:45	14:00	2	1	0	0
14:00	14:15	2	1	0	0
14:15	14:30	2	0	1	0
14:30	14:45	1	2	0	0
14:45	15:00	0	2	0	0
15:00	15:15	0	2	2	0
15:15	15:30	0	1	0	0
15:30	15:45	2	0	0	0
15:45	16:00	2	0	0	0
16:00	16:15	0	2	1	0
16:15	16:30	0	0	0	0
16:30	16:45	0	1	0	0
16:45	17:00	0	2	1	0
17:00	17:15	0	2	1	0
17:15	17:30	1	2	0	0
17:30	17:45	1	1	0	0
17:45	18:00	1	2	2	0
Total		36	36	14	0

15		Cars In	Cars Out	Peds	Bicycles
minute		Cars in	Cars Out	Peas	Bicycles
Start	End				
8:00	8:15	0	0	5	0
8:15	8:30	1	0	0	0
8:30	8:45	1	0	0	0
8:45	9:00	1	2	0	0
9:00	9:15	2	1	0	0
9:15	9:30	1	1	0	0
9:30	9:45	0	1	0	0
9:45	10:00	2	0	0	0
10:00	10:15	4	1	0	0
10:15	10:30	3	1	0	0
10:30	10:45	3	2	0	0
10:45	11:00	0	4	0	0
11:00	11:15	1	1	0	0
11:15	11:30	2	3	0	0
11:30	11:45	0	1	0	0
11:45	12:00	1	1	0	0
12:00	12:15	3	0	0	0
12:15	12:30	4	3	2	0
12:30	12:45	1	2	0	0
12:45	13:00	2	3	0	0
13:00	13:15	1	1	0	0
13:15	13:30	0	4	0	0
13:30	13:45	2	1	0	0
13:45	14:00	3	1	0	0
14:00	14:15	3	3	0	0
14:15	14:30	2	0	0	0
14:30	14:45	2	2	0	0
14:45	15:00	1	0	0	0
15:00	15:15	2	4	0	0
15:15	15:30	2	1	0	0
15:30	15:45	1	4	0	0
15:45	16:00	2	0	0	0
16:00	16:15	1	2	0	0
16:15	16:30	0	3	0	0
16:30	16:45	1	1	0	0
16:45	17:00	0	0	0	0
17:00	17:15	0	0	0	0
17:15	17:30	1	1	0	0
17:30	17:45	0	0	0	0
17:45	18:00	1	1	0	0
Total	. 5.00	57	56	7	0

Sunday 16th June 2019							
15	Care In I Care Out Peds Ricycle						
minute		Our 3 III	Ours Out	i cus	Dicycles		
Start	End						
8:00	8:15	1	0	1	0		
8:15	8:30	0	0	1	0		
8:30	8:45	0	0	0	0		
8:45	9:00	0	0	0	0		
9:00	9:15	0	0	0	0		
9:15	9:30	0	0	0	0		
9:30	9:45	0	0	0	0		
9:45	10:00	0	0	0	0		
10:00	10:15	0	0	0	0		
10:15	10:30	1	0	0	0		
10:30	10:45	1	0	0	0		
10:45	11:00	0	2	0	0		
11:00	11:15	0	0	0	0		
11:15	11:30	0	0	0	0		
11:30	11:45	0	0	0	0		
11:45	12:00	0	0	1	0		
12:00	12:15	2	0	0	0		
12:15	12:30	1	0	0	0		
12:30	12:45	0	1	0	0		
12:45	13:00	0	1	0	0		
13:00	13:15	0	1	0	0		
13:15	13:30	0	0	0	0		
13:30	13:45	1	0	0	0		
13:45	14:00	0	1	0	0		
14:00	14:15	1	0	0	0		
14:15	14:30	1	0	0	0		
14:30	14:45	1	1	0	0		
14:45	15:00	1	0	0	0		
15:00	15:15	1	2	0	0		
15:15	15:30	1	1	0	0		
15:30	15:45	2	1	0	0		
15:45	16:00	2	1	0	0		
16:00	16:15	1	3	0	0		
16:15	16:30	1	1	0	0		
16:30	16:45	1	1	0	0		
16:45	17:00	0	1	0	0		
17:00	17:15	0	1	0	0		
17:15	17:30	0	0	0	0		
17:30	17:45	0	1	0	0		
17:45	18:00	0	1	1	0		
Total	10.00	20	21	4	0		
i otai		20	41	7			

Site Location	Sydney Car Wash Café
Survey Date	21st-23rd June 2019
Survey Period	8am-6pm
Main Traffic Flow	Victoria Road
AM Peak Period	8:00am - 9:00am
PM Peak Period	4:00nm - 5:00nm

PM Peak Period			4:00pm - 5:00pm			
Frida	y 14th June	2019				
15 min Period		Westbound		Eastbound		Hourly Total
Start	End	Cars	Trucks	Cars	Trucks	
9:00 AM	9:15 AM	266	21	417	25	3396
9:15 AM	9:30 AM	350	31	363	22	3217
9:30 AM	9:45 AM	286	21	366	25	3056
9:45 AM	10:00 AM	304	15	280	32	2824
10:00 AM	10:15 AM	278	18	329	26	2746
10:15 AM	10:30 AM	268	31	355	29	2663
10:30 AM	10:45 AM	258	32	290	20	2565
10:45 AM	11:00 AM	295	22	332	32	2615
11:00 AM	11:15 AM	280	18	242	18	2522
11:15 AM	11:30 AM	300	17	281	17	2454
11:30 AM	11:45 AM	291	25	193	14	2377
11:45 AM	12:00 PM	296	21	261	12	2286
12:00 PM	12:15 PM	312	22	283	14	2359
12:15 PM	12:30 PM	324	34	275	20	2397
12:30 PM	12:45 PM	326	26	282	26	2534
12:45 PM	1:00 PM	319	24	287	27	2601
1:00 PM	1:15 PM	319	17	302	17	2625
1:15 PM	1:30 PM	375	25	301	17	2690
1:30 PM	1:45 PM	355	12	296	21	2714
1:45 PM	2:00 PM	338	20	245	15	2675
2:00 PM	2:15 PM	373	31	335	29	2788
2:15 PM	2:30 PM	421	27	319	29	2866
2:30 PM	2:45 PM	385	28	358	18	2971
2:45 PM	3:00 PM	361	32	366	19	3131
3:00 PM	3:15 PM	352	20	419	16	3170
3:15 PM	3:30 PM	458	24	356	19	3231
3:30 PM	3:45 PM	434	16	383	13	3288
3:45 PM	4:00 PM	475	16	418	15	3434
						3544
						3622
						3697
5:00 PM	5:15 PM	431	18	457	7	3725
5:15 PM	5:30 PM	429	11	476	10	3716
5:30 PM	5:45 PM	418	12	472	5	3702
5:45 PM	6:00 PM	457	10	464	8	3685
AM Book B		1560	92	1906	03	2550

AM Peak Period

PM Peak Period Total

838



AW Peak Period	9:30am - 10:30am	
PM Peak Period	4:15pm - 5:15pm	

Saturday 15th June 2019						
15 min Period		Westbound		Eastbound		Hourly Total
Start	End	Cars	Trucks	Cars	Trucks	
8:00 AM	8:15 AM	204	17	323	12	
8:15 AM	8:30 AM	215	9	360	9	
8:30 AM	8:45 AM	281	10	338	21	
8:45 AM	9:00 AM	319	6	352	12	2488
9:00 AM	9:15 AM	303	11	340	13	2599
9:15 AM	9:30 AM	300	10	372	9	2697
9:30 AM	9:45 AM	351	6	415	10	2829
9:45 AM	10:00 AM	409	4	418	11	2982
10:00 AM	10:15 AM	369	9	332	3	3028
10:15 AM	10:30 AM	404	12	356	6	3115
10:30 AM	10:45 AM	348	13	336	9	3039
10:45 AM	11:00 AM	413	9	354	3	2976
11:00 AM	11:15 AM	400	13	367	7	3050
11:15 AM	11:30 AM	415	6	353	9	3055
11:30 AM	11:45 AM	367	6	374	8	3104
11:45 AM	12:00 PM	407	7	350	7	3096
12:00 PM	12:15 PM	391	11	376	4	3091
12:15 PM	12:30 PM	458	8	425	6	3205
12:30 PM	12:45 PM	349	13 6	397	7 6	3216
12:45 PM 1:00 PM	1:00 PM 1:15 PM	372 414	14	405 388	10	3234 3278
1:15 PM	1:30 PM	419	9	410	7	3276
1:30 PM	1:45 PM	371	5	401	8	3245
1:45 PM	2:00 PM	454	9	370	6	3245
2:00 PM	2:00 PM	474	12	361	4	3320
2:15 PM	2:30 PM	392	9	399	5	3280
2:30 PM	2:45 PM	416	3	384	5	3303
2:45 PM	3:00 PM	442	13	368	7	3294
3:00 PM	3:15 PM	434	8	369	4	3258
3:15 PM	3:30 PM	462	6	371	1	3293
3:30 PM	3:45 PM	420	12	332	6	3255
3:45 PM	4:00 PM	449	8	353	7	3242
4:00 PM	4:15 PM	405	7	378	5	3222
4:15 PM	4:30 PM	423	7	442	2	3256
4:30 PM	4:45 PM	391	9	413	6	3305
4:45 PM	5:00 PM	356	5	429	2	3280
5:00 PM	5:15 PM	462	8	407	3	3365
5:15 PM	5:30 PM	408	2	433	3	3337
5:30 PM	5:45 PM	372	7	424	2	3323
5:45 PM	6:00 PM	430	7	392	4	3364
AM Peak F		1533	31	1521	30	3115
PM Peak F		1632	29	1691	13	3365
Total		15469	346	15167	269	31251

AIVI FEAN FEI IOU	11:00am - 12:00pm
PM Peak Period	12:00pm - 1:00pm

Sunda	y 16th June	2019				
15 min Period		Westbound		Eastbound		Hourly Total
Start	End	Cars	Trucks	Cars	Trucks	
8:00 AM	8:15 AM	139	2	129	1	
8:15 AM	8:30 AM	128	6	147	4	
8:30 AM	8:45 AM	157	3	206	2	
8:45 AM	9:00 AM	176	2	198	2	1302
9:00 AM	9:15 AM	190	2	233	4	1460
9:15 AM	9:30 AM	213	3	285	1	1677
9:30 AM	9:45 AM	222	1	327	1	1860
9:45 AM	10:00 AM	273	2	309	3	2069
10:00 AM	10:15 AM	246	1	264	1	2152
10:15 AM	10:30 AM	276	3	273	3	2205
10:30 AM	10:45 AM	257	0	300	2	2213
10:45 AM	11:00 AM	311	1	313	3	2254
11:00 AM	11:15 AM	308	2	291	2	2345
11:15 AM	11:30 AM	315	2	296	4	2407
11:30 AM	11:45 AM	298	3	296	3	2448
11:45 AM	12:00 PM	300	3	330	0	2453
12:00 PM	12:15 PM	331	1	349	1	2532
12:15 PM	12:30 PM	336	0	324	2	2577
12:30 PM	12:45 PM	374	3	337	6	2697
12:45 PM	1:00 PM	370	2	346	1	2783
1:00 PM	1:15 PM	305	3	320	2	2731
1:15 PM	1:30 PM	345	4	341	2	2761
1:30 PM	1:45 PM	331	2	361	1	2736
1:45 PM	2:00 PM	343	1	327	0	2688
2:00 PM	2:15 PM	342	2	316	1	2719
2:15 PM	2:30 PM	346	3	275	2	2653
2:30 PM	2:45 PM	271	1	311	2	2543
2:45 PM	3:00 PM	342	4	328	4	2550
3:00 PM	3:15 PM	373	7	347	1	2617
3:15 PM	3:30 PM	326	1	314	3	2635
3:30 PM	3:45 PM	329	4	313	0	2696
3:45 PM	4:00 PM	364	0	339	4	2725
4:00 PM	4:15 PM	331	3	238	3	2572
4:15 PM	4:30 PM	353	2	326	1	2610
4:30 PM	4:45 PM	294	1	304	5	2568
4:45 PM	5:00 PM	393	3	311	2	2570
5:00 PM	5:15 PM	349	2	279	2	2627
5:15 PM	5:30 PM	330	0	280	1	2556
5:30 PM	5:45 PM	322	2	286	1	2563
5:45 PM	6:00 PM	315	0	304	2	2475
AM Peak F		1221	10	1213	9	2453
PM Peak F	erioa	1411	6	1356	10	2783
Total		11924	87	11773	85	23869