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13 August 2021



Sustainable Transport Surveys Pty Ltd

ABN: 18 439 813 274

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**RE: 25-27 SONGBIRD AVENUE, CHIRNSIDE PARK
TRAFFIC ENGINEERING PRE-APPLICATION ADVICE**

I refer to your request to provide traffic engineering advice in response to Council comments following a pre-application meeting held on 24 June 2021 (reference: PA-2021/45) regarding the proposed development of a child care centre at the above location.

In the course of preparing this response, we have:

- Reviewed preliminary drawings prepared by Point Architects (TP101 & SA003 P4, both dated 26 July 2021);
- Inspected the subject site and its environs during school drop-off and pick-up periods (outside of Covid lockdown); and
- Commissioned traffic data counts on Kimberley Drive and Songbird Avenue.

We provide the following advice, including a response to the relevant Council's comments from a traffic engineering perspective.

PROPOSAL

The proposal is to construct an 80 place child care centre across two lots.

The concept plan shows 17 on-site car spaces accessible via a new crossover at the western side of the site.

CAR PARKING AVAILABILITY

SALT undertook inspections of the subject site on Thursday 5th August 2021 from 8:15am – 9:15am and 3:00pm – 4:00pm (school peak periods) to ascertain current parking and traffic conditions in the vicinity of the site.

Parking counts were undertaken on both Songbird Avenue and Glendale Drive to ascertain parking availability during these periods. The survey area is provided in **Figure 1**.

The results of the counts are provided in **Table 1** and **Table 2**.

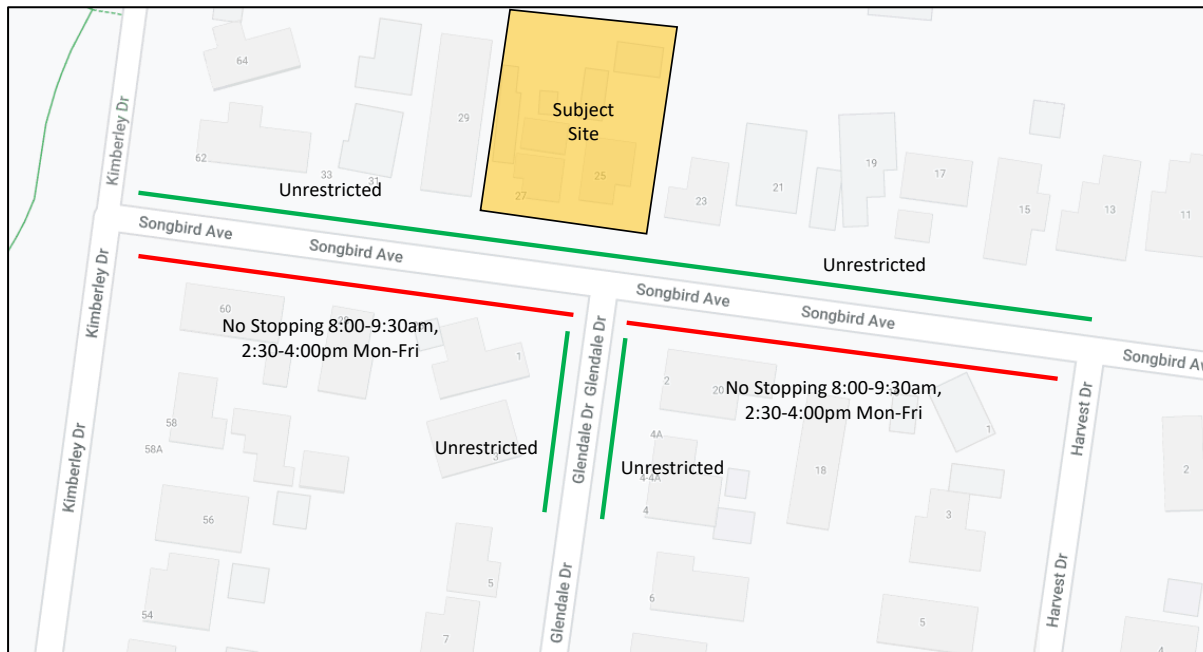


Figure 1 Parking survey area

Table 1 Parking survey results – AM

Street	Supply	Occupancy						
		8:15	8:25	8:35	8:45	8:55	9:05	9:15
Songbird (north side) ¹	21	7	7	7	7	9	8	7
Glendale (both sides)	11	1	1	1	1	1	1	1

¹ 6 x vehicles (including a trailer) were observed parked on Songbird Avenue, east of Glendale Drive associated with construction works at a dwelling. It is noted 2 x vehicles were parked on the south side of Songbird Avenue, where parking was not permitted during the survey time.

Table 2 Parking survey results – PM

Street	Supply	Occupancy						
		3:00	3:10	3:20	3:30	3:40	3:50	4:00
Songbird (north side)	21	9	13	16	19	15	10	9
Glendale (both sides)	11	0	0	2	7	3	2	0

The above indicates a significant amount of parking availability during the AM peak period.

Higher parking demands occur within the PM peak period as a result of school pick-up activity, but this occurs only briefly. Importantly, child care centres typically generate very low parking demands between 3 – 4pm as this is not a peak time – refer discussion below under ‘Traffic Volumes’.

Regardless, the proposed centre will be self-sufficient for car parking as the proposed supply of 17 spaces meets the Planning Scheme requirement.

TRAFFIC VOLUMES

SALT commissioned JM Traffic Surveys to undertake automatic tube counts at the following locations – refer **Figure 2** for context:

- Kimberley Drive – between Vista Drive and Village Green; and
- Songbird Avenue – between Vista Drive and Cullen Court.

A 'tube count' records traffic volume, vehicle classification and speed by direction. The count took place over a one-week period from Friday 30th July 2021 to Thursday 5th August 2021.

The results are summarised in **Table 3** with detailed data provided in **Appendix 1**. It is noted that the data collected on Friday 6th August has been omitted to discount any effect from the Victorian COVID-19 lockdown.



Figure 2 Tube count locations

Table 3 Tube count data summary

Day	AM Peak (two-way) ¹	PM Peak (two-way) ¹	Total Vehicles (two-way)
Songbird Avenue			
Friday 30 th July	159 vehicles	154 vehicles	729 vehicles
Monday 2 nd August	173 vehicles	145 vehicles	706 vehicles
Tuesday 3 rd August	179 vehicles	131 vehicles	653 vehicles
Wednesday 4 th August	155 vehicles	135 vehicles	651 vehicles
Thursday 5 th August	174 vehicles	144 vehicles	730 vehicles
Kimberley Drive			
Friday 30 th July	348 vehicles	337 vehicles	2354 vehicles
Monday 2 nd August	330 vehicles	325 vehicles	2305 vehicles
Tuesday 3 rd August	336 vehicles	310 vehicles	2313 vehicles
Wednesday 4 th August	356 vehicles	310 vehicles	2260 vehicles
Thursday 5 th August	344 vehicles	293 vehicles	2380 vehicles

¹ – It is noted that the corresponding AM and PM peak periods occurred at 8:00am – 9:00am and 3:00pm – 4:00pm respectively, for all data.

In accordance with Clause 56.06 – Access and Mobility Management of the Yarra Ranges Planning Scheme, Songbird Avenue is classified as an 'Access Street – Level 2' and Kimberly Drive a 'Collector Street – Level 1'. These street classifications have a target 24-hour maximum traffic volume of 2000-3000 vpd (*Access Street – Level 1*) and 3000 or 7000 vpd (*Connector Street – Level 1 or 2 respectively*). It can be seen the corresponding total vehicles per day for each street is below the maximum volumes specified, particularly over Songbird Avenue.

Indicative schemes indicate the proposed child care centre will support approximately 80 children. In terms of additional daily volumes, the additional traffic generated is estimated to be 328 daily trips, as follows:

- $[80 \text{ children} \times 0.9 \times 4] + 40 \text{ staff trips} = 328 \text{ trips (two-way)}$.

This conservatively assumes full occupancy and no absences, and that 10% of children are either walked or dropped off in conjunction with a primary school trip (i.e. siblings).

To place this into context, the additional daily traffic could be allocated to either Songbird Avenue or Kimberly Drive and still satisfy the Clause 56.06 maximum traffic volume required. In reality the traffic will be split between both streets such that there will be significantly less than 328 trips on one street. We are hence satisfied that there is sufficient capacity to accommodate the additional vehicle movements.

In respect of school traffic periods, further discussion is provided below under 'Site Observations'. It should be noted that a child care centre is very different from a school, in that children can be dropped off or picked up at any time of day, rather than at a set time. Traffic flow is hence spread across a significantly longer period, which limits any traffic impacts. To put this in perspective, data available to SALT from three centres (ranging from 75 – 128 places) indicates that at peak school times:

- 22 – 25% of children are dropped off between 8:30 – 9:00am; and
- 4 – 12% of children are picked up before 4pm.

Utilisation is typically 80%, which means that on a typical day there will be no more than 64 children in attendance. Based on the above rates:

- No more than 16 children will be dropped off during the school AM peak; and
- No more than 8 children will be picked up during the school PM peak.

The current enrolment at Chirnside Park Primary School is 321 children. To put the above figures into comparative terms the number of students being dropped off or collected from the child care centre equates to the following percentages at peak school times:

- 5% of all primary school student enrolments between 8:30 – 9:00am; and
- 2.5% of all primary school student enrolments before 4:00pm.

It is hence a very low proportion of additional traffic that will be generated during peak school times, relative to the existing school traffic.

SITE OBSERVATIONS

SALT undertook inspections of the subject site and its environs on Thursday 5th August 2021 from 8:15am – 9:15am and 3:00pm – 4:00pm (school peak periods) to ascertain current conditions on the surrounding road network and any impact which may arise from the adjacent Chirnside Park Primary School. In addition to observations, informal discussions were undertaken with the school principal, crossing supervisor and parents to understand existing conditions.

Key information and observations are summarised as follows:

AM PERIOD

- There was negligible school drop off activity in Songbird Avenue (maximum 2 vehicles at a time);
- The vast majority of vehicles were observed either travelling down Kimberley Drive, or turning from Songbird Avenue into Kimberley Drive, to access the school directly. Speaking with parents, the crossing supervisor and principal, it is understood that parents will access the school car park to undertake a quick drop-off before departing. This aligns with the traffic trend observed on-site.
- The majority of vehicle traffic, both to and from Chirnside Park Primary School, appeared to occur over Kimberley Drive rather than Songbird Avenue.
- Queues were typically 8 – 12 vehicles at the school crossing on Kimberley Drive.

- A maximum vehicle queue of approximately 12 vehicles was observed on Songbird Avenue at 8:46am, as a result of the school crossing on Kimberley Avenue. This was observed only once, with 11 of the 12 vehicles observed accessing the Primary School. Otherwise, queues of no more than 4 cars typically occurred.
- Some parents were observed parking within the Kimberley Reserve car park.

PM PERIOD

- During the PM period traffic congestion and vehicle queuing was observed to be minimal, particularly over Songbird Avenue which was observed to experience virtually no queuing.
- Parking demands were considerably higher in the PM peak. School related vehicles were observed parking within Songbird Avenue, though this did not appear to extend beyond Glendale Drive, with the vast majority of parents parking either on Kimberley Drive or within the Kimberley Reserve car park. Discussions with a parent on-site verify this occurs, further noting that vehicles parking on Kimberley Drive can extend to the reserve car park access opposite Glendale Drive.
- Parents were observed parking within 'No Stopping' areas on Kimberley Drive. Compliance with 'No Stopping' areas on Songbird Avenue was observed.
- Notably more vehicles were observed travelling eastbound over Songbird Avenue than westbound, comprised largely of vehicles departing after school pick-up.
- It is understood that, based on safety concerns pertaining to the car park operation, Chirnside Park Primary School closes the access gates to the car park in the afternoon. While some vehicles are still observed entering/departing the school, the volume is significantly less than in the AM period.
- Generally, vehicle queuing was not observed to be an issue with any queuing that did occur within the range of 1-2 vehicles.

Further to the above it is noted, as a general trend, that during the AM period the vast majority of vehicles are observed travelling westbound on Songbird Avenue to access the Primary School, whereas during the PM period the majority of vehicles appear to travel eastbound on Songbird Avenue, comprised of departing parents from Kimberley Drive/Kimberley Reserve car park. This limits any interactions between oncoming vehicles.

Importantly, there is an existing 'No Stopping' parking on the southern side of Songbird Avenue that applies during school times. This ensures that simultaneous two-way traffic flow is possible in order to practically eliminate congestion on Songbird Avenue.

RESPONSE TO COUNCIL COMMENTS

Council has raised the following initial traffic-related concerns:

- *The proposal seeks to include 18 parking spaces for a maximum of 84 children. This would meet the numerical requirements of Clause 52.06 (we note that current plans show 80 children);*
- *Nonetheless, Council still holds concerns about the potential increased volume of traffic flow through what appears to be a street where the main traffic expectations would align more with normal residential traffic than that of a child care centre.*
- *There is a concern that the proposed childcare centre may not be suitable for a land use that tends to cause high volumes of traffic at certain points of the day. As per Clause 22.01, while on-site parking is provided (compliant with requirements of Clause 52.06), Songbird Avenue is potentially not a large enough street to accommodate the increased traffic flow demands.*
- *If the applicant wishes to pursue a planning application, a detailed traffic impact assessment and analysis would be required.*
- *Council acknowledges the proximity of Chirnside Park Primary School located on Kimberly Drive to the west, which may result in different commuter patterns along these streets than what is normally expected. However, this can only be confirmed through detailed traffic reports.*

Council has also made comment regarding the location of the child care centre from a strategic perspective. In particular, concern is raised regarding the distance from the main access to the school.

In response, we note that child care centres are commonly located on residential streets as this is typically permitted under the relevant zoning. It is particularly ideal to locate child care centres near schools, as parents will often have children of different ages attending both. This also has the benefit of lower traffic generation, as parents will already be undertaking a trip to/from the school.

The walking distance between the child care centre and main school entrance at the Kimberley Drive interface is approximately 140m. At a typical walking speed of 5km/h, this equates to a 1.7 minute walk. This represents a convenient short walking distance.

It is noted that the school closes its car park during the PM pick-up period, which means that parents must park on either Kimberley Drive, Songbird Avenue or at Kimberley Reserve (approx. 200m+ walking distance). School parents are hence already accustomed to walking distances over and above that of the walking distance to the proposed child care centre.

Having regard to our site observations and the likely volume of traffic that will be generated by the child care centre (which is relatively small at 80 places), we find that this will have negligible adverse impact on existing traffic conditions. There is more than adequate spare capacity in both Songbird Avenue and Kimberley Drive.

SUMMARY

A detailed traffic assessment has been carried out a preliminary stage to identify the suitability of the proposed site for a child care centre. Based on the findings outlined above, we find that the proposed 80 place centre can be supported from a traffic engineering perspective.

A full Traffic Impact Assessment Report will accompany the town planning submission.

If there are any enquiries in relation to this assessment, I can be contacted on the number below.

Yours sincerely,



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APPENDIX 1 TRAFFIC VOLUME DATA



Weekly Vehicle Counts

WeeklyVehicle-242

Site: 21007000.0.0E
Description: SONGBIRD AVE BWN CULLEN CT & VISTA DVE CHIRNSIDE PARK
Filter time: 0:00 Friday, 30 July 2021 => 0:00 Friday, 6 August 2021
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(E) Sp(5,110) Headway(>0) Span(0 - 100) Lane(0-16)

Hour	<u>Fri</u>	<u>Sat</u>	<u>Sun</u>	<u>Mon</u>	<u>Tue</u>	<u>Wed</u>	<u>Thu</u>	<u>Averages</u>	
	30 Jul	31 Jul	01 Aug	02 Aug	03 Aug	04 Aug	05 Aug	1 - 5	1 - 7
0000-0100	0	0	0	0	0	0	0	0.0	0.0
0100-0200	0	1	1	0	0	0	0	0.0	0.3
0200-0300	0	0	1	0	0	0	0	0.0	0.1
0300-0400	1	0	0	0	0	0	0	0.2	0.1
0400-0500	0	0	0	1	1	0	0	0.4	0.3
0500-0600	2	0	1	3	2	1	1	1.8	1.4
0600-0700	3	1	2	3	0	5	5	3.2	2.7
0700-0800	11	4	3	10	13	11	13	11.6	9.3
0800-0900	66	8	7	71	81	59	76	70.6	52.6
0900-1000	15	16	15	17	17	29	25	20.6	19.1
1000-1100	12	23	18	20	8	16	16	14.4	16.1
1100-1200	17	15	35	11	14	8	14	12.8	16.3
1200-1300	19	24	24	12	13	10	10	12.8	16.0
1300-1400	15	11	15	23	13	17	12	16.0	15.1
1400-1500	26	15	19	20	12	14	21	18.6	18.1
1500-1600	89	18	27	93	70	77	85	82.8	65.6
1600-1700	28	29	20	25	37	31	34	31.0	29.1
1700-1800	23	21	20	41	35	26	28	30.6	27.7
1800-1900	33	13	12	24	16	16	27	23.2	20.1
1900-2000	15	6	4	7	10	9	8	9.8	8.4
2000-2100	3	2	2	4	6	5	4	4.4	3.7
2100-2200	1	1	1	3	1	4	1	2.0	1.7
2200-2300	7	1	0	0	0	1	0	1.6	1.3
2300-2400	1	2	0	0	0	0	0	0.2	0.4
Totals									
0700-1900	354	197	215	367	329	314	361	345.0	305.3
0600-2200	376	207	224	384	346	337	379	364.4	321.9
0600-0000	384	210	224	384	346	338	379	366.2	323.6
0000-0000	387	211	227	388	349	339	380	368.6	325.9
AM Peak	0800	1000	1100	0800	0800	0800	0800		
	66	23	35	71	81	59	76		
PM Peak	1500	1600	1500	1500	1500	1500	1500		
	89	29	27	93	70	77	85		

* - No data.

Weekly Vehicle Counts

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Filter: Cls(1-12) Dir(W) Sp(5,110) Headway(>0) Span(0 - 100) Lane(0-16)

Hour	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Averages	
	30 Jul	31 Jul	01 Aug	02 Aug	03 Aug	04 Aug	05 Aug	1 - 5	1 - 7
0000-0100	0	1	0	1	0	0	0	0.2	0.3
0100-0200	0	2	0	0	1	0	0	0.2	0.4
0200-0300	0	0	1	0	0	0	1	0.2	0.3
0300-0400	0	0	0	0	0	0	0	0.0	0.0
0400-0500	0	1	0	0	0	0	0	0.0	0.1
0500-0600	1	0	2	0	0	1	1	0.6	0.7
0600-0700	4	0	0	3	2	1	6	3.2	2.3
0700-0800	10	4	5	15	14	17	17	14.6	11.7
0800-0900	93	10	12	102	98	96	98	97.4	72.7
0900-1000	12	9	9	7	15	13	11	11.6	10.9
1000-1100	17	14	14	11	9	6	13	11.2	12.0
1100-1200	8	18	15	5	7	7	6	6.6	9.4
1200-1300	15	28	17	9	9	11	9	10.6	14.0
1300-1400	8	17	12	8	11	13	11	10.2	11.4
1400-1500	15	17	27	13	12	13	20	14.6	16.7
1500-1600	65	9	16	52	61	58	59	59.0	45.7
1600-1700	20	15	9	26	16	19	28	21.8	19.0
1700-1800	33	11	9	29	23	22	29	27.2	22.3
1800-1900	12	6	9	18	14	16	19	15.8	13.4
1900-2000	9	5	3	10	9	12	11	10.2	8.4
2000-2100	10	1	2	2	2	5	8	5.4	4.3
2100-2200	3	5	1	4	0	2	2	2.2	2.4
2200-2300	7	2	2	2	0	0	1	2.0	2.0
2300-2400	0	2	0	1	1	0	0	0.4	0.6
Totals									
0700-1900	308	158	154	295	289	291	320	300.6	259.3
0600-2200	334	169	160	314	302	311	347	321.6	276.7
0600-0000	341	173	162	317	303	311	348	324.0	279.3
0000-0000	342	177	165	318	304	312	350	325.2	281.1
AM Peak	0800	1100	1100	0800	0800	0800	0800		
	93	18	15	102	98	96	98		
PM Peak	1500	1200	1400	1500	1500	1500	1500		
	65	28	27	52	61	58	59		

* - No data.

Weekly Vehicle Counts

WeeklyVehicle-242

Site: 21007000.0.0E
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Hour	<u>Fri</u>	<u>Sat</u>	<u>Sun</u>	<u>Mon</u>	<u>Tue</u>	<u>Wed</u>	<u>Thu</u>	<u>Averages</u>	
	30 Jul	31 Jul	01 Aug	02 Aug	03 Aug	04 Aug	05 Aug	1 - 5	1 - 7
0000-0100	0	1	0	1	0	0	0	0.2	0.3
0100-0200	0	3	1	0	1	0	0	0.2	0.7
0200-0300	0	0	2	0	0	0	1	0.2	0.4
0300-0400	1	0	0	0	0	0	0	0.2	0.1
0400-0500	0	1	0	1	1	0	0	0.4	0.4
0500-0600	3	0	3	3	2	2	2	2.4	2.1
0600-0700	7	1	2	6	2	6	11	6.4	5.0
0700-0800	21	8	8	25	27	28	30	26.2	21.0
0800-0900	159	18	19	173	179	155	174	168.0	125.3
0900-1000	27	25	24	24	32	42	36	32.2	30.0
1000-1100	29	37	32	31	17	22	29	25.6	28.1
1100-1200	25	33	50	16	21	15	20	19.4	25.7
1200-1300	34	52	41	21	22	21	19	23.4	30.0
1300-1400	23	28	27	31	24	30	23	26.2	26.6
1400-1500	41	32	46	33	24	27	41	33.2	34.9
1500-1600	154	27	43	145	131	135	144	141.8	111.3
1600-1700	48	44	29	51	53	50	62	52.8	48.1
1700-1800	56	32	29	70	58	48	57	57.8	50.0
1800-1900	45	19	21	42	30	32	46	39.0	33.6
1900-2000	24	11	7	17	19	21	19	20.0	16.9
2000-2100	13	3	4	6	8	10	12	9.8	8.0
2100-2200	4	6	2	7	1	6	3	4.2	4.1
2200-2300	14	3	2	2	0	1	1	3.6	3.3
2300-2400	1	4	0	1	1	0	0	0.6	1.0
Totals									
0700-1900	662	355	369	662	618	605	681	645.6	564.6
0600-2200	710	376	384	698	648	648	726	686.0	598.6
0600-0000	725	383	386	701	649	649	727	690.2	602.9
0000-0000	729	388	392	706	653	651	730	693.8	607.0
AM Peak	0800	1000	1100	0800	0800	0800	0800		
	159	37	50	173	179	155	174		
PM Peak	1500	1200	1400	1500	1500	1500	1500		
	154	52	46	145	131	135	144		

* - No data.

Daily Classes

DailyClass-243

Site: 21007000.0.0E
Description: SONGBIRD AVE BWN CULLEN CT & VISTA DVE CHIRNSIDE PARK
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Friday, 30 July 2021

	1	2	3	4	5	6	7	8	9	10	11	12	Total
Fri	359	1	27	0	0	0	0	0	0	0	0	0	387
(%)	92.8	0.3	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Sat	193	3	15	0	0	0	0	0	0	0	0	0	211
(%)	91.5	1.4	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Sun	205	1	21	0	0	0	0	0	0	0	0	0	227
(%)	90.3	0.4	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Mon	363	2	21	0	0	0	2	0	0	0	0	0	388
(%)	93.6	0.5	5.4	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	
Tue	315	0	32	2	0	0	0	0	0	0	0	0	349
(%)	90.3	0.0	9.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Wed	318	3	17	0	0	0	1	0	0	0	0	0	339
(%)	93.8	0.9	5.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	
Thu	360	1	17	2	0	0	0	0	0	0	0	0	380
(%)	94.7	0.3	4.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Average daily volume

Entire week	302	2	21	1	0	0	0	0	0	0	0	0	326
(%)	92.6	0.5	6.6	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	
Weekdays	343	1	23	1	0	0	1	0	0	0	0	0	369
(%)	93.1	0.4	6.2	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	
Weekend	199	2	18	0	0	0	0	0	0	0	0	0	219
(%)	90.9	0.9	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

* - Incomplete

Daily Classes

DailyClass-243

Site: 21007000.0.0E
Description: SONGBIRD AVE BWN CULLEN CT & VISTA DVE CHIRNSIDE PARK
Filter time: 0:00 Friday, 30 July 2021 => 0:00 Friday, 6 August 2021
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Friday, 30 July 2021

	1	2	3	4	5	6	7	8	9	10	11	12	Total
Fri	320	3	11	6	1	0	1	0	0	0	0	0	342
(%)	93.6	0.9	3.2	1.8	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	
Sat	166	1	5	5	0	0	0	0	0	0	0	0	177
(%)	93.8	0.6	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Sun	158	0	2	4	0	0	0	0	1	0	0	0	165
(%)	95.8	0.0	1.2	2.4	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	
Mon	296	1	10	8	2	0	1	0	0	0	0	0	318
(%)	93.1	0.3	3.1	2.5	0.6	0.0	0.3	0.0	0.0	0.0	0.0	0.0	
Tue	285	0	11	7	0	0	0	0	1	0	0	0	304
(%)	93.8	0.0	3.6	2.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	
Wed	294	1	9	7	0	0	1	0	0	0	0	0	312
(%)	94.2	0.3	2.9	2.2	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	
Thu	333	1	9	6	1	0	0	0	0	0	0	0	350
(%)	95.1	0.3	2.6	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Average daily volume

Entire week	265	1	8	6	1	0	0	0	0	0	0	0	281
(%)	94.1	0.4	2.9	2.2	0.2	0.0	0.2	0.0	0.1	0.0	0.0	0.0	
Weekdays	306	1	10	7	1	0	1	0	0	0	0	0	325
(%)	94.0	0.4	3.1	2.1	0.2	0.0	0.2	0.0	0.1	0.0	0.0	0.0	
Weekend	162	1	4	5	0	0	0	0	1	0	0	0	171
(%)	94.7	0.3	2.0	2.6	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	

* - Incomplete

Daily Classes

DailyClass-243

Site: 21007000.0.0E
Description: SONGBIRD AVE BWN CULLEN CT & VISTA DVE CHIRNSIDE PARK
Filter time: 0:00 Friday, 30 July 2021 => 0:00 Friday, 6 August 2021
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(EW) Sp(5,110) Headway(>0) Span(0 - 100) Lane(0-16)

Friday, 30 July 2021

	1	2	3	4	5	6	7	8	9	10	11	12	Total
Fri	679	4	38	6	1	0	1	0	0	0	0	0	729
(%)	93.1	0.5	5.2	0.8	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	
Sat	359	4	20	5	0	0	0	0	0	0	0	0	388
(%)	92.5	1.0	5.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Sun	363	1	23	4	0	0	0	0	1	0	0	0	392
(%)	92.6	0.3	5.9	1.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	
Mon	659	3	31	8	2	0	3	0	0	0	0	0	706
(%)	93.3	0.4	4.4	1.1	0.3	0.0	0.4	0.0	0.0	0.0	0.0	0.0	
Tue	600	0	43	9	0	0	0	0	1	0	0	0	653
(%)	91.9	0.0	6.6	1.4	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	
Wed	612	4	26	7	0	0	2	0	0	0	0	0	651
(%)	94.0	0.6	4.0	1.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	
Thu	693	2	26	8	1	0	0	0	0	0	0	0	730
(%)	94.9	0.3	3.6	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Average daily volume

Entire week	566	3	30	7	1	0	1	0	0	0	0	0	607
(%)	93.3	0.4	4.9	1.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	
Weekdays	649	3	33	8	1	0	1	0	0	0	0	0	694
(%)	93.5	0.4	4.7	1.1	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	
Weekend	361	3	22	5	0	0	0	0	1	0	0	0	390
(%)	92.6	0.6	5.5	1.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	

* - Incomplete

Class Speed Matrix

ClassMatrix-244

Site: 21007000.0.0E
Description: SONGBIRD AVE BWN CULLEN CT & VISTA DVE CHIRNSIDE PARK
Filter time: 0:00 Friday, 30 July 2021 => 0:00 Friday, 6 August 2021
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(E) Sp(5,110) Headway(>0) Span(0 - 100) Lane(0-16)

km/h	Class												Total	
	SV 1	SVT 2	TB2 3	TB3 4	T4 5	ART3 6	ART4 7	ART5 8	ART6 9	BD 10	DRT 11	TRT 12		
0- 10	4	.	.	.	.	.	.	.	.	.	.	.	4	0.2%
10- 20	49	.	1	3	.	.	.	.	.	.	.	.	53	2.3%
20- 30	452	5	30	1	.	.	1	.	.	.	.	.	489	21.4%
30- 40	1425	6	100	.	.	.	2	.	.	.	.	.	1533	67.2%
40- 50	182	.	19	.	.	.	.	.	.	.	.	.	201	8.8%
50- 60	1	.	.	.	.	.	.	.	.	.	.	.	1	0.0%
60- 70	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
70- 80	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
80- 90	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
90-100	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
100-110	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
110-120	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
120-130	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
130-140	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
140-150	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
Total	2113	11	150	4	0	0	3	0	0	0	0	0	2281	
	92.6%	0.5%	6.6%	0.2%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%		

Class Speed Matrix

ClassMatrix-244

Site: 21007000.0.0E
Description: SONGBIRD AVE BWN CULLEN CT & VISTA DVE CHIRNSIDE PARK
Filter time: 0:00 Friday, 30 July 2021 => 0:00 Friday, 6 August 2021
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(W) Sp(5,110) Headway(>0) Span(0 - 100) Lane(0-16)

km/h	Class												Total	
	SV 1	SVT 2	TB2 3	TB3 4	T4 5	ART3 6	ART4 7	ART5 8	ART6 9	BD 10	DRT 11	TRT 12		
0- 10	1	.	.	.	.	.	.	.	.	.	.	.	1	0.1%
10- 20	22	.	7	.	.	.	1	.	.	.	.	.	30	1.5%
20- 30	315	3	10	12	3	.	.	.	2	.	.	.	345	17.5%
30- 40	1402	4	38	27	1	.	2	.	.	.	.	.	1474	74.9%
40- 50	111	.	2	4	.	.	.	.	.	.	.	.	117	5.9%
50- 60	1	.	.	.	.	.	.	.	.	.	.	.	1	0.1%
60- 70	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
70- 80	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
80- 90	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
90-100	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
100-110	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
110-120	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
120-130	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
130-140	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
140-150	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
Total	1852	7	57	43	4	0	3	0	2	0	0	0	1968	
	94.1%	0.4%	2.9%	2.2%	0.2%	0.0%	0.2%	0.0%	0.1%	0.0%	0.0%	0.0%		

Class Speed Matrix

ClassMatrix-244

Site: 21007000.0.0E
Description: SONGBIRD AVE BWN CULLEN CT & VISTA DVE CHIRNSIDE PARK
Filter time: 0:00 Friday, 30 July 2021 => 0:00 Friday, 6 August 2021
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(EW) Sp(5,110) Headway(>0) Span(0 - 100) Lane(0-16)

km/h	Class												Total	
	SV 1	SVT 2	TB2 3	TB3 4	T4 5	ART3 6	ART4 7	ART5 8	ART6 9	BD 10	DRT 11	TRT 12		
0- 10	5	.	.	.	.	.	.	.	.	.	.	.	5	0.1%
10- 20	71	.	8	3	.	.	1	.	.	.	.	.	83	2.0%
20- 30	767	8	40	13	3	.	1	.	2	.	.	.	834	19.6%
30- 40	2827	10	138	27	1	.	4	.	.	.	.	.	3007	70.8%
40- 50	293	.	21	4	.	.	.	.	.	.	.	.	318	7.5%
50- 60	2	.	.	.	.	.	.	.	.	.	.	.	2	0.0%
60- 70	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
70- 80	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
80- 90	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
90-100	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
100-110	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
110-120	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
120-130	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
130-140	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
140-150	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
Total	3965	18	207	47	4	0	6	0	2	0	0	0	4249	
	93.3%	0.4%	4.9%	1.1%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%		

Speed Statistics by Hour

SpeedStatHour-245

Site: 21007000.0.0E
Description: SONGBIRD AVE BWN CULLEN CT & VISTA DVE CHIRNSIDE PARK
Filter time: 0:00 Friday, 30 July 2021 => 0:00 Friday, 6 August 2021
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(E) Sp(5,110) Headway(>0) Span(0 - 100) Lane(0-16)

Vehicles = 2281

Posted speed limit = 50 km/h, Exceeding = 1 (0.044%), Mean Exceeding = 52.87 km/h

Maximum = 52.9 km/h, Minimum = 5.1 km/h, Mean = 33.2 km/h

85% Speed = 38.52 km/h, 95% Speed = 41.40 km/h, Median = 33.66 km/h

20 km/h Pace = 23 - 43, Number in Pace = 2101 (92.11%)

Variance = 32.26, Standard Deviation = 5.68 km/h

Hour Bins

Time	Bin	Min	Max	Mean	Median	85%	95%	>PSL 50 km/h
0000	0 0.000%	0.0	0.0	0.0	0.0	0.0	0.0	0 -%
0100	2 0.088%	33.6	35.6	34.6	34.6	35.6	35.6	0 0.000%
0200	1 0.044%	36.7	36.7	36.7	36.7	36.7	36.7	0 0.000%
0300	1 0.044%	33.9	33.9	33.9	33.9	33.9	33.9	0 0.000%
0400	2 0.088%	24.7	33.4	29.1	29.0	33.4	33.4	0 0.000%
0500	10 0.438%	23.3	42.7	33.6	33.0	39.7	42.7	0 0.000%
0600	19 0.833%	20.2	43.2	30.2	29.7	35.1	43.2	0 0.000%
0700	65 2.850%	16.4	44.4	32.6	33.3	37.8	40.3	0 0.000%
0800	368 16.13%	13.9	45.1	34.1	34.4	38.5	41.9	0 0.000%
0900	134 5.875%	18.3	52.9	34.0	34.6	38.3	40.4	1 0.746%
1000	113 4.954%	9.1	44.3	32.9	33.7	38.5	40.9	0 0.000%
1100	114 4.998%	14.4	45.1	33.5	34.2	38.8	42.4	0 0.000%
1200	112 4.910%	16.5	47.6	32.7	32.8	39.1	42.0	0 0.000%
1300	106 4.647%	15.5	46.7	33.0	33.5	39.2	44.0	0 0.000%
1400	127 5.568%	21.0	49.4	34.1	33.7	39.2	43.7	0 0.000%
1500	459 20.12%	5.1	46.1	30.8	31.9	36.9	39.6	0 0.000%
1600	204 8.943%	17.0	48.2	34.4	34.9	39.6	42.0	0 0.000%
1700	194 8.505%	11.5	47.5	34.1	34.2	38.3	41.6	0 0.000%
1800	141 6.181%	17.9	47.1	35.0	34.9	39.6	43.9	0 0.000%
1900	59 2.587%	14.2	45.9	34.2	34.7	39.4	40.9	0 0.000%
2000	26 1.140%	21.0	42.9	33.2	33.3	40.3	42.4	0 0.000%
2100	12 0.526%	28.2	37.9	34.1	34.5	37.5	37.9	0 0.000%
2200	9 0.395%	20.8	42.5	31.8	30.6	38.4	42.5	0 0.000%
2300	3 0.132%	31.2	35.9	33.4	32.9	35.9	35.9	0 0.000%
----	2281 100.0%	5.1	52.9	33.2	33.7	38.5	41.4	1 0.044%

Speed Statistics by Hour

SpeedStatHour-245

Site: 21007000.0.0E
Description: SONGBIRD AVE BWN CULLEN CT & VISTA DVE CHIRNSIDE PARK
Filter time: 0:00 Friday, 30 July 2021 => 0:00 Friday, 6 August 2021
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(W) Sp(5,110) Headway(>0) Span(0 - 100) Lane(0-16)

Vehicles = 1968

Posted speed limit = 50 km/h, Exceeding = 1 (0.051%), Mean Exceeding = 52.02 km/h

Maximum = 52.0 km/h, Minimum = 7.0 km/h, Mean = 33.3 km/h

85% Speed = 37.62 km/h, 95% Speed = 40.24 km/h, Median = 33.66 km/h

20 km/h Pace = 24 - 44, Number in Pace = 1890 (96.04%)

Variance = 22.05, Standard Deviation = 4.70 km/h

Hour Bins

Time	Bin	Min	Max	Mean	Median	85%	95%	>PSL 50 km/h
0000	2 0.102%	25.7	31.3	28.5	28.5	31.3	31.3	0 0.000%
0100	3 0.152%	29.4	37.3	32.6	31.0	37.3	37.3	0 0.000%
0200	2 0.102%	25.0	34.0	29.5	29.5	34.0	34.0	0 0.000%
0300	0 0.000%	0.0	0.0	0.0	0.0	0.0	0.0	0 -%
0400	1 0.051%	43.1	43.1	43.1	43.1	43.1	43.1	0 0.000%
0500	5 0.254%	29.6	38.8	33.9	34.0	38.8	38.8	0 0.000%
0600	16 0.813%	21.6	38.2	30.9	31.7	34.7	38.2	0 0.000%
0700	82 4.167%	23.6	45.2	34.0	34.0	37.8	41.3	0 0.000%
0800	509 25.86%	13.0	45.3	34.0	34.0	37.4	39.8	0 0.000%
0900	76 3.862%	7.0	44.9	32.4	34.0	37.9	42.6	0 0.000%
1000	84 4.268%	21.5	47.4	33.0	33.6	37.8	40.0	0 0.000%
1100	66 3.354%	24.2	41.6	33.1	33.3	37.9	39.2	0 0.000%
1200	98 4.980%	16.9	43.0	33.4	33.8	37.9	40.5	0 0.000%
1300	80 4.065%	12.9	52.0	34.0	34.6	39.2	44.4	1 1.250%
1400	117 5.945%	12.3	44.6	32.9	33.3	37.1	39.9	0 0.000%
1500	320 16.26%	17.8	44.8	33.2	33.3	37.4	40.3	0 0.000%
1600	133 6.758%	14.8	43.3	33.0	33.5	37.4	41.4	0 0.000%
1700	156 7.927%	12.3	44.3	34.3	34.6	38.7	41.6	0 0.000%
1800	94 4.776%	20.0	44.7	32.1	31.3	37.2	40.1	0 0.000%
1900	59 2.998%	11.7	42.1	32.4	32.8	37.1	40.1	0 0.000%
2000	30 1.524%	19.5	41.5	32.7	34.0	38.2	40.7	0 0.000%
2100	17 0.864%	13.4	38.5	29.8	30.6	37.1	38.5	0 0.000%
2200	14 0.711%	24.5	41.7	32.6	32.3	37.7	41.7	0 0.000%
2300	4 0.203%	30.9	40.3	34.5	33.5	40.3	40.3	0 0.000%
----	1968 100.0%	7.0	52.0	33.3	33.7	37.6	40.2	1 0.051%

Speed Statistics by Hour

SpeedStatHour-245

Site: 21007000.0.0E
Description: SONGBIRD AVE BWN CULLEN CT & VISTA DVE CHIRNSIDE PARK
Filter time: 0:00 Friday, 30 July 2021 => 0:00 Friday, 6 August 2021
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(EW) Sp(5,110) Headway(>0) Span(0 - 100) Lane(0-16)

Vehicles = 4249

Posted speed limit = 50 km/h, Exceeding = 2 (0.047%), Mean Exceeding = 52.45 km/h

Maximum = 52.9 km/h, Minimum = 5.1 km/h, Mean = 33.3 km/h

85% Speed = 38.16 km/h, 95% Speed = 40.86 km/h, Median = 33.66 km/h

20 km/h Pace = 24 - 44, Number in Pace = 3991 (93.93%)

Variance = 27.53, Standard Deviation = 5.25 km/h

Hour Bins

Time	Bin	Min	Max	Mean	Median	85%	95%	>PSL 50 km/h
0000	2 0.047%	25.7	31.3	28.5	28.5	31.3	31.3	0 0.000%
0100	5 0.118%	29.4	37.3	33.4	33.5	37.3	37.3	0 0.000%
0200	3 0.071%	25.0	36.7	31.9	34.0	36.7	36.7	0 0.000%
0300	1 0.024%	33.9	33.9	33.9	33.9	33.9	33.9	0 0.000%
0400	3 0.071%	24.7	43.1	33.7	33.3	43.1	43.1	0 0.000%
0500	15 0.353%	23.3	42.7	33.7	33.5	38.5	42.7	0 0.000%
0600	35 0.824%	20.2	43.2	30.5	31.3	34.8	39.2	0 0.000%
0700	147 3.460%	16.4	45.2	33.4	34.0	37.8	40.5	0 0.000%
0800	877 20.64%	13.0	45.3	34.0	34.2	37.8	40.5	0 0.000%
0900	210 4.942%	7.0	52.9	33.4	34.6	38.3	40.8	1 0.476%
1000	197 4.636%	9.1	47.4	32.9	33.7	38.2	40.3	0 0.000%
1100	180 4.236%	14.4	45.1	33.3	33.8	38.3	41.6	0 0.000%
1200	210 4.942%	16.5	47.6	33.0	33.3	38.4	40.9	0 0.000%
1300	186 4.378%	12.9	52.0	33.5	34.0	39.2	44.0	1 0.538%
1400	244 5.743%	12.3	49.4	33.5	33.7	38.2	42.1	0 0.000%
1500	779 18.33%	5.1	46.1	31.8	32.6	37.1	40.0	0 0.000%
1600	337 7.931%	14.8	48.2	33.8	34.2	39.1	41.6	0 0.000%
1700	350 8.237%	11.5	47.5	34.2	34.4	38.6	41.6	0 0.000%
1800	235 5.531%	17.9	47.1	33.8	33.8	39.1	42.6	0 0.000%
1900	118 2.777%	11.7	45.9	33.3	33.3	38.3	40.5	0 0.000%
2000	56 1.318%	19.5	42.9	33.0	34.0	39.8	41.3	0 0.000%
2100	29 0.683%	13.4	38.5	31.5	32.6	37.1	38.3	0 0.000%
2200	23 0.541%	20.8	42.5	32.3	32.2	36.3	42.3	0 0.000%
2300	7 0.165%	30.9	40.3	34.0	32.9	39.4	40.3	0 0.000%
----	4249 100.0%	5.1	52.9	33.3	33.7	38.2	40.9	2 0.047%

Weekly Vehicle Counts

WeeklyVehicle-238

Site: 21007001.0.1NS
Description: KIMBERLEY DVE BWN VILLAGE GREEN & VISTA DVE CHIRNSIDE PARK
Filter time: 0:00 Friday, 30 July 2021 => 0:00 Friday, 6 August 2021
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(N) Sp(5,110) Headway(>0) Span(0 - 100) Lane(0-16)

Hour	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Averages	
	30 Jul	31 Jul	01 Aug	02 Aug	03 Aug	04 Aug	05 Aug	1 - 5	1 - 7
0000-0100	3	2	7	1	1	1	2	1.6	2.4
0100-0200	0	0	2	1	1	0	0	0.4	0.6
0200-0300	0	3	2	0	0	0	2	0.4	1.0
0300-0400	1	0	0	0	0	1	2	0.8	0.6
0400-0500	2	0	1	0	2	3	1	1.6	1.3
0500-0600	3	3	4	3	6	2	4	3.6	3.6
0600-0700	13	8	1	10	16	9	8	11.2	9.3
0700-0800	27	16	26	33	35	32	33	32.0	28.9
0800-0900	159	21	52	152	159	169	165	160.8	125.3
0900-1000	60	29	80	68	55	49	69	60.2	58.6
1000-1100	57	66	78	52	44	59	59	54.2	59.3
1100-1200	69	125	104	61	64	45	55	58.8	74.7
1200-1300	61	106	96	48	50	49	51	51.8	65.9
1300-1400	51	113	114	67	72	85	72	69.4	82.0
1400-1500	92	140	126	80	53	80	73	75.6	92.0
1500-1600	168	97	102	168	160	161	154	162.2	144.3
1600-1700	100	73	73	142	122	136	123	124.6	109.9
1700-1800	142	59	64	132	145	118	125	132.4	112.1
1800-1900	59	25	40	74	108	46	99	77.2	64.4
1900-2000	39	30	17	31	40	23	50	36.6	32.9
2000-2100	15	8	10	15	25	27	24	21.2	17.7
2100-2200	17	15	10	16	6	14	7	12.0	12.1
2200-2300	14	15	9	6	7	11	4	8.4	9.4
2300-2400	13	8	2	2	1	2	4	4.4	4.6
Totals									
0700-1900	1045	870	955	1077	1067	1029	1078	1059.2	1017.3
0600-2200	1129	931	993	1149	1154	1102	1167	1140.2	1089.3
0600-0000	1156	954	1004	1157	1162	1115	1175	1153.0	1103.3
0000-0000	1165	962	1020	1162	1172	1122	1186	1161.4	1112.7
AM Peak	0800	1100	1100	0800	0800	0800	0800		
	159	125	104	152	159	169	165		
PM Peak	1500	1400	1400	1500	1500	1500	1500		
	168	140	126	168	160	161	154		

* - No data.

Weekly Vehicle Counts

WeeklyVehicle-238

Site: 21007001.0.1NS
Description: KIMBERLEY DVE BWN VILLAGE GREEN & VISTA DVE CHIRNSIDE PARK
Filter time: 0:00 Friday, 30 July 2021 => 0:00 Friday, 6 August 2021
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(S) Sp(5,110) Headway(>0) Span(0 - 100) Lane(0-16)

	<u>Fri</u>	<u>Sat</u>	<u>Sun</u>	<u>Mon</u>	<u>Tue</u>	<u>Wed</u>	<u>Thu</u>	<u>Averages</u>	
	30 Jul	31 Jul	01 Aug	02 Aug	03 Aug	04 Aug	05 Aug	1 - 5	1 - 7
Hour									
0000-0100	0	3	1	0	2	1	0	0.6	1.0
0100-0200	1	0	1	0	1	0	1	0.6	0.6
0200-0300	0	2	1	0	0	0	2	0.4	0.7
0300-0400	0	0	1	1	0	1	1	0.6	0.6
0400-0500	4	1	2	5	6	7	4	5.2	4.1
0500-0600	17	9	3	19	21	23	21	20.2	16.1
0600-0700	43	7	4	44	40	37	40	40.8	30.7
0700-0800	41	22	18	49	67	52	59	53.6	44.0
0800-0900	189	43	59	178	177	187	179	182.0	144.6
0900-1000	103	42	67	76	84	90	90	88.6	78.9
1000-1100	63	60	80	54	64	57	62	60.0	62.9
1100-1200	53	78	112	58	44	47	58	52.0	64.3
1200-1300	64	114	61	48	44	64	48	53.6	63.3
1300-1400	56	79	60	56	52	52	59	55.0	59.1
1400-1500	50	72	97	57	40	65	57	53.8	62.6
1500-1600	169	92	116	157	150	149	139	152.8	138.9
1600-1700	95	150	120	92	88	100	109	96.8	107.7
1700-1800	72	65	76	109	58	84	92	83.0	79.4
1800-1900	83	32	34	62	60	66	75	69.2	58.9
1900-2000	51	13	8	40	92	29	75	57.4	44.0
2000-2100	11	16	10	18	28	12	11	16.0	15.1
2100-2200	11	4	8	11	17	7	4	10.0	8.9
2200-2300	9	18	7	8	5	8	7	7.4	8.9
2300-2400	4	2	2	1	1	0	1	1.4	1.6
Totals									
0700-1900	1038	849	900	996	928	1013	1027	1000.4	964.4
0600-2200	1154	889	930	1109	1105	1098	1157	1124.6	1063.1
0600-0000	1167	909	939	1118	1111	1106	1165	1133.4	1073.6
0000-0000	1189	924	948	1143	1141	1138	1194	1161.0	1096.7
AM Peak	0800	1100	1100	0800	0800	0800	0800		
	189	78	112	178	177	187	179		
PM Peak	1500	1600	1600	1500	1500	1500	1500		
	169	150	120	157	150	149	139		

* - No data.

Weekly Vehicle Counts

WeeklyVehicle-238

Site: 21007001.0.1NS
Description: KIMBERLEY DVE BWN VILLAGE GREEN & VISTA DVE CHIRNSIDE PARK
Filter time: 0:00 Friday, 30 July 2021 => 0:00 Friday, 6 August 2021
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(NS) Sp(5,110) Headway(>0) Span(0 - 100) Lane(0-16)

Hour	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Averages	
	30 Jul	31 Jul	01 Aug	02 Aug	03 Aug	04 Aug	05 Aug	1 - 5	1 - 7
0000-0100	3	5	8	1	3	2	2	2.2	3.4
0100-0200	1	0	3	1	2	0	1	1.0	1.1
0200-0300	0	5	3	0	0	0	4	0.8	1.7
0300-0400	1	0	1	1	0	2	3	1.4	1.1
0400-0500	6	1	3	5	8	10	5	6.8	5.4
0500-0600	20	12	7	22	27	25	25	23.8	19.7
0600-0700	56	15	5	54	56	46	48	52.0	40.0
0700-0800	68	38	44	82	102	84	92	85.6	72.9
0800-0900	348	64	111	330	336	356	344	342.8	269.9
0900-1000	163	71	147	144	139	139	159	148.8	137.4
1000-1100	120	126	158	106	108	116	121	114.2	122.1
1100-1200	122	203	216	119	108	92	113	110.8	139.0
1200-1300	125	220	157	96	94	113	99	105.4	129.1
1300-1400	107	192	174	123	124	137	131	124.4	141.1
1400-1500	142	212	223	137	93	145	130	129.4	154.6
1500-1600	337	189	218	325	310	310	293	315.0	283.1
1600-1700	195	223	193	234	210	236	232	221.4	217.6
1700-1800	214	124	140	241	203	202	217	215.4	191.6
1800-1900	142	57	74	136	168	112	174	146.4	123.3
1900-2000	90	43	25	71	132	52	125	94.0	76.9
2000-2100	26	24	20	33	53	39	35	37.2	32.9
2100-2200	28	19	18	27	23	21	11	22.0	21.0
2200-2300	23	33	16	14	12	19	11	15.8	18.3
2300-2400	17	10	4	3	2	2	5	5.8	6.1
Totals									
0700-1900	2083	1719	1855	2073	1995	2042	2105	2059.6	1981.7
0600-2200	2283	1820	1923	2258	2259	2200	2324	2264.8	2152.4
0600-0000	2323	1863	1943	2275	2273	2221	2340	2286.4	2176.9
0000-0000	2354	1886	1968	2305	2313	2260	2380	2322.4	2209.4
AM Peak	0800	1100	1100	0800	0800	0800	0800		
	348	203	216	330	336	356	344		
PM Peak	1500	1600	1400	1500	1500	1500	1500		
	337	223	223	325	310	310	293		

* - No data.

Daily Classes

DailyClass-239

Site: 21007001.0.1NS
Description: KIMBERLEY DVE BWN VILLAGE GREEN & VISTA DVE CHIRNSIDE PARK
Filter time: 0:00 Friday, 30 July 2021 => 0:00 Friday, 6 August 2021
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(N) Sp(5,110) Headway(>0) Span(0 - 100) Lane(0-16)

Friday, 30 July 2021

	1	2	3	4	5	6	7	8	9	10	11	12	Total
Fri	1050	13	89	9	4	0	0	0	0	0	0	0	1165
(%)	90.1	1.1	7.6	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Sat	882	7	69	3	1	0	0	0	0	0	0	0	962
(%)	91.7	0.7	7.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Sun	947	4	64	3	1	0	0	0	0	0	1	0	1020
(%)	92.8	0.4	6.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	
Mon	1068	8	79	3	2	1	1	0	0	0	0	0	1162
(%)	91.9	0.7	6.8	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
Tue	1083	9	74	5	0	1	0	0	0	0	0	0	1172
(%)	92.4	0.8	6.3	0.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
Wed	1035	9	74	2	1	0	1	0	0	0	0	0	1122
(%)	92.2	0.8	6.6	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	
Thu	1066	17	92	4	6	1	0	0	0	0	0	0	1186
(%)	89.9	1.4	7.8	0.3	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	

Average daily volume

Entire week	1019	10	77	4	2	0	0	0	0	0	0	0	1113
(%)	91.6	0.9	6.9	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Weekdays	1060	11	82	5	3	1	0	0	0	0	0	0	1161
(%)	91.3	1.0	7.0	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
Weekend	915	6	67	3	1	0	0	0	0	0	1	0	991
(%)	92.3	0.6	6.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	

* - Incomplete

Daily Classes

DailyClass-239

Site: 21007001.0.1NS
Description: KIMBERLEY DVE BWN VILLAGE GREEN & VISTA DVE CHIRNSIDE PARK
Filter time: 0:00 Friday, 30 July 2021 => 0:00 Friday, 6 August 2021
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(S) Sp(5,110) Headway(>0) Span(0 - 100) Lane(0-16)

Friday, 30 July 2021

	1	2	3	4	5	6	7	8	9	10	11	12	Total
Fri	1124	10	52	0	2	0	1	0	0	0	0	0	1189
(%)	94.5	0.8	4.4	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	
Sat	873	8	40	0	1	0	2	0	0	0	0	0	924
(%)	94.5	0.9	4.3	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	
Sun	897	3	46	0	0	0	1	0	0	1	0	0	948
(%)	94.6	0.3	4.9	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	
Mon	1063	9	66	0	2	1	2	0	0	0	0	0	1143
(%)	93.0	0.8	5.8	0.0	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0	
Tue	1086	7	45	1	0	1	1	0	0	0	0	0	1141
(%)	95.2	0.6	3.9	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
Wed	1082	4	50	1	0	0	1	0	0	0	0	0	1138
(%)	95.1	0.4	4.4	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	
Thu	1120	9	61	2	1	1	0	0	0	0	0	0	1194
(%)	93.8	0.8	5.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	

Average daily volume

Entire week	1035	7	51	1	1	0	1	0	0	0	0	0	1097
(%)	94.4	0.7	4.7	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	
Weekdays	1095	8	55	1	1	1	1	0	0	0	0	0	1161
(%)	94.3	0.7	4.7	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
Weekend	885	6	43	0	1	0	2	0	0	1	0	0	936
(%)	94.6	0.6	4.6	0.0	0.1	0.0	0.2	0.0	0.0	0.1	0.0	0.0	

* - Incomplete

Daily Classes

DailyClass-239

Site: 21007001.0.1NS
Description: KIMBERLEY DVE BWN VILLAGE GREEN & VISTA DVE CHIRNSIDE PARK
Filter time: 0:00 Friday, 30 July 2021 => 0:00 Friday, 6 August 2021
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(NS) Sp(5,110) Headway(>0) Span(0 - 100) Lane(0-16)

Friday, 30 July 2021

	1	2	3	4	5	6	7	8	9	10	11	12	Total
Fri	2174	23	141	9	6	0	1	0	0	0	0	0	2354
(%)	92.4	1.0	6.0	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Sat	1755	15	109	3	2	0	2	0	0	0	0	0	1886
(%)	93.1	0.8	5.8	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	
Sun	1844	7	110	3	1	0	1	0	0	1	1	0	1968
(%)	93.7	0.4	5.6	0.2	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.0	
Mon	2131	17	145	3	4	2	3	0	0	0	0	0	2305
(%)	92.5	0.7	6.3	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
Tue	2169	16	119	6	0	2	1	0	0	0	0	0	2313
(%)	93.8	0.7	5.1	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
Wed	2117	13	124	3	1	0	2	0	0	0	0	0	2260
(%)	93.7	0.6	5.5	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	
Thu	2186	26	153	6	7	2	0	0	0	0	0	0	2380
(%)	91.8	1.1	6.4	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	

Average daily volume

Entire week

	2054	17	129	5	3	1	1	0	0	0	0	0	2209
(%)	93.0	0.8	5.8	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	

Weekdays

	2155	19	136	5	4	1	1	0	0	0	0	0	2322
(%)	92.8	0.8	5.9	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	

Weekend

	1800	11	110	3	2	0	2	0	0	1	1	0	1927
(%)	93.4	0.6	5.7	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	

* - Incomplete

Class Speed Matrix

ClassMatrix-240

Site: 21007001.0.1NS
Description: KIMBERLEY DVE BWN VILLAGE GREEN & VISTA DVE CHIRNSIDE PARK
Filter time: 0:00 Friday, 30 July 2021 => 0:00 Friday, 6 August 2021
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(N) Sp(5,110) Headway(>0) Span(0 - 100) Lane(0-16)

km/h	Class												Total	
	SV 1	SVT 2	TB2 3	TB3 4	T4 5	ART3 6	ART4 7	ART5 8	ART6 9	BD 10	DRT 11	TRT 12		
0- 10	2	.	.	.	.	.	.	.	.	.	.	.	2	0.0%
10- 20	10	.	1	1	2	.	.	.	.	.	.	.	14	0.2%
20- 30	295	2	30	6	7	.	1	.	.	.	1	.	342	4.4%
30- 40	2033	33	179	19	5	1	.	.	.	.	.	.	2270	29.1%
40- 50	3243	25	202	3	1	2	1	.	.	.	.	.	3477	44.6%
50- 60	1424	6	119	.	.	.	.	.	.	.	.	.	1549	19.9%
60- 70	115	1	9	.	.	.	.	.	.	.	.	.	125	1.6%
70- 80	8	.	1	.	.	.	.	.	.	.	.	.	9	0.1%
80- 90	1	.	.	.	.	.	.	.	.	.	.	.	1	0.0%
90-100	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
100-110	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
110-120	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
120-130	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
130-140	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
140-150	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
Total	7131	67	541	29	15	3	2	0	0	0	1	0	7789	
	91.6%	0.9%	6.9%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

Class Speed Matrix

ClassMatrix-240

Site: 21007001.0.1NS
Description: KIMBERLEY DVE BWN VILLAGE GREEN & VISTA DVE CHIRNSIDE PARK
Filter time: 0:00 Friday, 30 July 2021 => 0:00 Friday, 6 August 2021
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(S) Sp(5,110) Headway(>0) Span(0 - 100) Lane(0-16)

km/h	Class												Total	
	SV 1	SVT 2	TB2 3	TB3 4	T4 5	ART3 6	ART4 7	ART5 8	ART6 9	BD 10	DRT 11	TRT 12		
0- 10	4	.	.	.	.	.	.	.	.	.	.	.	4	0.1%
10- 20	39	.	1	1	1	.	.	.	.	1	.	.	43	0.6%
20- 30	461	7	34	2	4	.	.	.	.	.	.	.	508	6.6%
30- 40	2251	12	84	1	.	3	6	.	.	.	.	.	2357	30.7%
40- 50	3268	22	176	.	1	.	2	.	.	.	.	.	3469	45.2%
50- 60	1127	8	59	.	.	.	.	.	.	.	.	.	1194	15.6%
60- 70	93	1	6	.	.	.	.	.	.	.	.	.	100	1.3%
70- 80	2	.	.	.	.	.	.	.	.	.	.	.	2	0.0%
80- 90	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
90-100	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
100-110	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
110-120	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
120-130	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
130-140	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
140-150	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
Total	7245	50	360	4	6	3	8	0	0	1	0	0	7677	
	94.4%	0.7%	4.7%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%		

Class Speed Matrix

ClassMatrix-240

Site: 21007001.0.1NS
Description: KIMBERLEY DVE BWN VILLAGE GREEN & VISTA DVE CHIRNSIDE PARK
Filter time: 0:00 Friday, 30 July 2021 => 0:00 Friday, 6 August 2021
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(NS) Sp(5,110) Headway(>0) Span(0 - 100) Lane(0-16)

km/h	Class												Total	
	SV 1	SVT 2	TB2 3	TB3 4	T4 5	ART3 6	ART4 7	ART5 8	ART6 9	BD 10	DRT 11	TRT 12		
0- 10	6	.	.	.	.	.	.	.	.	.	.	.	6	0.0%
10- 20	49	.	2	2	3	.	.	.	.	1	.	.	57	0.4%
20- 30	756	9	64	8	11	.	1	.	.	.	1	.	850	5.5%
30- 40	4284	45	263	20	5	4	6	.	.	.	.	.	4627	29.9%
40- 50	6511	47	378	3	2	2	3	.	.	.	.	.	6946	44.9%
50- 60	2551	14	178	.	.	.	.	.	.	.	.	.	2743	17.7%
60- 70	208	2	15	.	.	.	.	.	.	.	.	.	225	1.5%
70- 80	10	.	1	.	.	.	.	.	.	.	.	.	11	0.1%
80- 90	1	.	.	.	.	.	.	.	.	.	.	.	1	0.0%
90-100	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
100-110	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
110-120	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
120-130	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
130-140	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
140-150	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
Total	14376	117	901	33	21	6	10	0	0	1	1	0	15466	
	93.0%	0.8%	5.8%	0.2%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%		

Speed Statistics by Hour

SpeedStatHour-241

Site: 21007001.0.1NS
Description: KIMBERLEY DVE BWN VILLAGE GREEN & VISTA DVE CHIRNSIDE PARK
Filter time: 0:00 Friday, 30 July 2021 => 0:00 Friday, 6 August 2021
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(N) Sp(5,110) Headway(>0) Span(0 - 100) Lane(0-16)

Vehicles = 7789

Posted speed limit = 50 km/h, Exceeding = 1684 (21.62%), Mean Exceeding = 54.12 km/h

Maximum = 81.7 km/h, Minimum = 5.3 km/h, Mean = 43.4 km/h

85% Speed = 51.84 km/h, 95% Speed = 55.80 km/h, Median = 44.10 km/h

20 km/h Pace = 33 - 53, Number in Pace = 6028 (77.39%)

Variance = 66.82, Standard Deviation = 8.17 km/h

Hour Bins

Time	Bin	Min	Max	Mean	Median	85%	95%	>PSL 50 km/h
0000	17 0.218%	25.8	59.9	38.0	35.8	47.4	59.9	2 11.76%
0100	4 0.051%	31.6	51.1	41.3	41.2	51.1	51.1	1 25.00%
0200	7 0.090%	26.9	56.3	43.9	42.1	55.2	56.3	2 28.57%
0300	4 0.051%	45.6	49.3	46.8	46.2	49.3	49.3	0 0.000%
0400	9 0.116%	27.4	68.0	46.0	46.1	64.1	68.0	3 33.33%
0500	25 0.321%	29.5	60.2	46.2	45.2	55.6	60.1	10 40.00%
0600	65 0.835%	23.6	63.7	42.9	43.6	52.2	60.9	13 20.00%
0700	202 2.593%	26.0	64.4	44.8	46.1	53.7	57.6	62 30.69%
0800	877 11.26%	20.5	73.0	45.3	45.7	52.0	55.8	208 23.72%
0900	410 5.264%	17.5	69.3	44.6	45.4	52.6	57.8	104 25.37%
1000	415 5.328%	15.7	73.3	43.6	44.3	52.2	55.5	97 23.37%
1100	523 6.715%	22.9	74.6	43.0	43.6	51.5	56.1	103 19.69%
1200	461 5.919%	5.3	66.7	43.2	44.1	51.7	56.7	105 22.78%
1300	574 7.369%	17.1	60.8	42.4	43.0	50.6	54.9	94 16.38%
1400	644 8.268%	17.9	68.5	42.9	43.2	51.2	54.9	114 17.70%
1500	1010 12.97%	15.5	65.5	43.4	44.3	50.9	54.4	202 20.00%
1600	769 9.873%	16.3	66.3	42.7	43.2	50.9	54.5	153 19.90%
1700	785 10.08%	15.6	81.7	44.1	45.2	53.1	57.5	206 26.24%
1800	451 5.790%	18.8	72.9	43.8	44.6	52.7	56.9	108 23.95%
1900	230 2.953%	23.8	76.3	42.1	41.3	51.8	56.5	51 22.17%
2000	124 1.592%	25.4	65.0	41.6	42.0	51.0	56.3	21 16.94%
2100	85 1.091%	28.0	60.3	38.9	37.3	47.1	51.6	7 8.235%
2200	66 0.847%	19.6	65.9	41.2	38.3	52.0	61.4	12 18.18%
2300	32 0.411%	24.8	68.1	40.7	38.4	51.6	66.2	6 18.75%
----	7789 100.0%	5.3	81.7	43.4	44.1	51.8	55.8	1684 21.62%

Speed Statistics by Hour

SpeedStatHour-241

Site: 21007001.0.1NS
Description: KIMBERLEY DVE BWN VILLAGE GREEN & VISTA DVE CHIRNSIDE PARK
Filter time: 0:00 Friday, 30 July 2021 => 0:00 Friday, 6 August 2021
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(S) Sp(5,110) Headway(>0) Span(0 - 100) Lane(0-16)

Vehicles = 7677

Posted speed limit = 50 km/h, Exceeding = 1296 (16.88%), Mean Exceeding = 54.10 km/h

Maximum = 72.6 km/h, Minimum = 5.2 km/h, Mean = 42.2 km/h

85% Speed = 50.58 km/h, 95% Speed = 54.90 km/h, Median = 42.84 km/h

20 km/h Pace = 32 - 52, Number in Pace = 5940 (77.37%)

Variance = 68.64, Standard Deviation = 8.28 km/h

Hour Bins

Time	Bin	Min	Max	Mean	Median	85%	95%	>PSL 50 km/h
0000	7 0.091%	26.9	62.4	44.6	46.3	61.3	62.4	3 42.86%
0100	4 0.052%	34.8	51.4	42.4	41.7	51.4	51.4	1 25.00%
0200	5 0.065%	32.3	60.8	43.9	44.1	60.8	60.8	1 20.00%
0300	4 0.052%	27.6	49.4	38.6	38.8	49.4	49.4	0 0.000%
0400	29 0.378%	12.8	62.4	36.9	36.2	50.1	62.5	4 13.79%
0500	113 1.472%	10.4	60.9	40.1	39.8	51.5	56.5	21 18.58%
0600	215 2.801%	7.5	63.7	38.5	38.3	48.2	54.2	25 11.63%
0700	308 4.012%	20.2	72.6	41.1	41.0	50.8	55.5	54 17.53%
0800	1012 13.18%	16.2	66.3	43.9	44.6	50.9	55.0	192 18.97%
0900	552 7.190%	5.2	70.0	42.9	43.8	51.1	55.3	114 20.65%
1000	440 5.731%	10.3	67.4	41.4	42.5	49.9	54.4	65 14.77%
1100	450 5.862%	17.3	66.6	41.9	42.4	50.0	54.9	68 15.11%
1200	443 5.770%	5.3	68.2	41.9	42.8	50.5	54.8	70 15.80%
1300	414 5.393%	12.1	69.2	42.8	43.0	51.3	55.8	74 17.87%
1400	438 5.705%	18.5	65.2	42.2	42.3	50.8	56.0	79 18.04%
1500	972 12.66%	7.9	70.0	41.5	42.1	49.5	53.5	125 12.86%
1600	754 9.822%	16.3	64.1	42.4	43.0	50.0	54.9	112 14.85%
1700	556 7.242%	14.5	69.9	42.3	42.7	51.1	55.5	100 17.99%
1800	412 5.367%	18.6	68.6	42.5	42.8	50.9	54.8	77 18.69%
1900	308 4.012%	24.0	65.1	44.4	44.6	52.6	59.2	71 23.05%
2000	106 1.381%	22.3	69.0	41.9	41.0	52.4	55.4	27 25.47%
2100	62 0.808%	25.8	59.7	39.3	38.7	48.1	51.2	4 6.452%
2200	62 0.808%	23.0	56.3	40.5	39.2	48.0	53.9	8 12.90%
2300	11 0.143%	28.1	57.1	40.0	40.0	50.6	57.1	1 9.091%
----	7677 100.0%	5.2	72.6	42.2	42.8	50.6	54.9	1296 16.88%

Speed Statistics by Hour

SpeedStatHour-241

Site: 21007001.0.1NS
Description: KIMBERLEY DVE BWN VILLAGE GREEN & VISTA DVE CHIRNSIDE PARK
Filter time: 0:00 Friday, 30 July 2021 => 0:00 Friday, 6 August 2021
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(NS) Sp(5,110) Headway(>0) Span(0 - 100) Lane(0-16)

Vehicles = 15466

Posted speed limit = 50 km/h, Exceeding = 2980 (19.27%), Mean Exceeding = 54.11 km/h

Maximum = 81.7 km/h, Minimum = 5.2 km/h, Mean = 42.8 km/h

85% Speed = 51.30 km/h, 95% Speed = 55.44 km/h, Median = 43.56 km/h

20 km/h Pace = 33 - 53, Number in Pace = 11946 (77.24%)

Variance = 68.09, Standard Deviation = 8.25 km/h

Hour Bins

Time	Bin	Min	Max	Mean	Median	85%	95%	>PSL 50 km/h
0000	24 0.155%	25.8	62.4	39.9	36.5	55.4	61.7	5 20.83%
0100	8 0.052%	31.6	51.4	41.8	41.2	51.2	51.4	2 25.00%
0200	12 0.078%	26.9	60.8	43.9	43.1	56.6	60.8	3 25.00%
0300	8 0.052%	27.6	49.4	42.7	45.7	49.4	49.4	0 0.000%
0400	38 0.246%	12.8	68.0	39.0	37.2	52.7	62.7	7 18.42%
0500	138 0.892%	10.4	60.9	41.2	40.5	52.8	57.7	31 22.46%
0600	280 1.810%	7.5	63.7	39.5	39.1	49.1	55.1	38 13.57%
0700	510 3.298%	20.2	72.6	42.6	42.9	52.2	56.2	116 22.75%
0800	1889 12.21%	16.2	73.0	44.5	45.2	51.5	55.7	400 21.18%
0900	962 6.220%	5.2	70.0	43.6	44.3	51.8	56.5	218 22.66%
1000	855 5.528%	10.3	73.3	42.5	43.6	51.0	54.6	162 18.95%
1100	973 6.291%	17.3	74.6	42.5	43.2	50.9	55.6	171 17.57%
1200	904 5.845%	5.3	68.2	42.6	43.5	51.5	55.8	175 19.36%
1300	988 6.388%	12.1	69.2	42.6	43.0	50.7	55.3	168 17.00%
1400	1082 6.996%	17.9	68.5	42.6	43.0	50.8	55.2	193 17.84%
1500	1982 12.82%	7.9	70.0	42.5	43.0	50.4	54.0	327 16.50%
1600	1523 9.847%	16.3	66.3	42.5	43.0	50.7	54.9	265 17.40%
1700	1341 8.671%	14.5	81.7	43.4	43.9	52.2	56.5	306 22.82%
1800	863 5.580%	18.6	72.9	43.1	43.9	52.0	56.3	185 21.44%
1900	538 3.479%	23.8	76.3	43.4	43.7	52.2	57.8	122 22.68%
2000	230 1.487%	22.3	69.0	41.8	41.7	52.1	55.3	48 20.87%
2100	147 0.950%	25.8	60.3	39.1	37.8	47.8	51.3	11 7.483%
2200	128 0.828%	19.6	65.9	40.8	38.9	50.7	56.4	20 15.63%
2300	43 0.278%	24.8	68.1	40.5	38.5	50.5	63.6	7 16.28%
----	15466 100.0%	5.2	81.7	42.8	43.6	51.3	55.4	2980 19.27%