

Traffic Management

IN04-10/11 Regents Estates - Backshall Place Trial Road Closure - Community Consultation Results

File Ref: 3120 – 11/107475
 Responsible Officer: A/Director Infrastructure
 Disclosure of Interest: Nil
 Attachments: 4

Issue

To consider the results of the community consultation regarding the 15-month partial road closure at the intersection of Backshall Place and Ocean Reef Road, Wanneroo.

Background

At the meeting held on 1 June 2010, Council resolved (IN07-06/10 refers):

- “1. *RECEIVES the Regent Estates Precinct Traffic Management Review Report 2010 prepared by Shawmac Pty Ltd;*
2. *APPROVES the proposed turning restrictions at the junction of Backshall Place and Ocean Reef Road to prevent access into Backshall Place from Ocean Reef Road, as shown in Attachment 4, in accordance with the Local Government Act 1995 Section 3.50 as amended. The proposed restriction to extend for 15 months from August 2010 until October 2011;*
3. *NOTES that Administration will develop Traffic Management schemes in St Fillans Bend and Backshall Place to reduce traffic speeds and consult with the affected property owners/occupiers; and*
4. *ADVISES the owners/occupiers of all properties in the area bounded by Wanneroo Road, San Rosa Road, Yellagonga Regional Park and Ocean Reef Road of Council’s decision.”*

This consideration by Council followed three trial road closures, community consultation following the trial closures and a community meeting held on 28 April 2010.

After advertising the proposed road closure and considering the submissions received, Council considered a further report at its meeting on 27 July 2010 (IN07-07/10 refers) and resolved:

- “1. *RECEIVES the public submissions concerning the proposed turning restrictions at the junction of Backshall Place and Ocean Reef Road to prevent access into Backshall Place from Ocean Reef Road;*
2. *REAFFIRMS its decision to support the proposed turning restrictions at the junction of Backshall Place and Ocean Reef Road to prevent access into Backshall Place from Ocean Reef Road, as shown in Attachment 1, in accordance with the Local Government Act 1995 Section 3.50 as amended. The proposed restriction to extend for 15 months from August 2010 until October 2011;*
3. *NOTES that Administration will continue to discuss access options with Main Roads WA for Wanneroo Road between the Wanneroo Townsite and Ocean Reef Road; and*

4. *ADVISES the owners/occupiers of all properties in the area bounded by Wanneroo Road, San Rosa Road, Yellagonga Regional Park and Ocean Reef Road of Council's decision.*"

The Backshall Place/Ocean Reef Road partial closure layout referred above as Attachment 1 was modified and revised accordingly, refer **Attachment 1** for the revised version.

Detail

The trial treatment was installed in August 2010 with the closure approval through to October 2011.

The City has completed traffic counts throughout the Regents Estates area to monitor the traffic patterns and behaviour.

The following abbreviations relate to the data presented:

AWT – Average Weekday Traffic (vehicles per day)

85%ile – The speed at or below which 85% of vehicles are travelling (km/h)

Max – Maximum speed recorded during study (km/h)

Pace – The 20km/h speed range containing the largest number of vehicles

Pace% - The percentage of vehicles contained in the 20km pace range.

Traffic data is tabled as follows:

James Spiers Drive - South of Scenic Drive

Year	AWT	Predicted	85%ile	Max	Pace	Pace%	Comment
Aug-11	1559	1500	35	54			14 months of Backshall Place/Ocean Reef Road Trial Closure
Mar-11	1667		35	58	21 - 41	98	Current Trial
Sep-09	1532		39	64	24 - 44	96	4 week Trial
Aug-09	2353		39	62	22 - 42	96	
Sep-07	2363		34	51	20 - 40	97	
Dec-06	2177		33	52	19 - 39	98	
Apr-05	1428		37	60	22 - 42	97	

Villanova Street - East of Calabrese Avenue

Year	AWT	Predicted	85%ile	Max	Pace	Pace%	Comment
Aug-11	2979	3400	46	73.5			14 months of Backshall Place/Ocean Reef Road Trial Closure
Mar-11	3159		46	90	30 - 50	88	Current Trial
Sep-09	2871		48	75	31 - 51	88	4 week Trial
Aug-09	2408		48	76	32 - 52	86	
Sep-07	2508		48	97	31 - 51	82	
Dec-06	2565		48	78	31 - 51	85	
Apr-05	3212		48	79	32 - 52	86	

Tyne Crescent - North of Backshall Place

Year	AWT	Predicted	85%ile	Max	Pace	Pace%	Comment
Aug-11	1327	1800	61	107			14 months of Backshall Place/Ocean Reef Road Trial Closure
Mar-11	1340		51	80	36 - 56	83	Current Trial
Sep-09	1302		50	73	35 - 55	84	4 week Trial
Aug-09	3009		50	104	34 - 54	86	
Feb-09	3178		50	104	34 - 54	86	
May-08	3250		48	91	32 - 52	88	
Sep-07	2851		49	117	32 - 52	88	
Dec-06	2796		51	82	34 - 54	84	
Apr-05	1425		48	69	31 - 51	87	

Backshall Place - East of Tyne Crescent

Year	AWT	Predicted	85%ile	Max	Pace	Pace%	Comment
Aug-11	768	900	61	107			14 months of Backshall Place/Ocean Reef Road Trial Closure
Mar-11	849		61	111	43 - 63	79	Current Trial
Sep-09	778		61	110	42 - 62	76	4 week Trial
Aug-09	1787		42	89	27 - 47	92	
Feb-09	1781		42	89	27 - 47	92	
Sep-07	1840		53	87	36 - 56	85	
Dec-06	1549		48	85	31 - 51	85	
Apr-05	1791		67	127	47 - 67	70	

The traffic counts show that the volumes of traffic using the roads within Regent Estates have been reduced in Backshall Place, Tyne Crescent and James Spiers Drive, with the traffic increasing in Villanova Street as forecast by the modelling carried out before the closure.

A consequence of the reduced traffic volumes however, has been that traffic speeds have increased in Backshall Place, Tyne Crescent and James Spiers Drive, due to the unrestricted traffic flow that now occurs in these roads.

Whilst the accident figures are not yet available for the 12 months that the movement restriction has been in place, accident data is available for the 5 years to 31 December 2010. In this period, the accident statistics for the three major intersections that link to the Regent Estates road network are as follows:

Ocean Reef/Backshall Place	19 Accidents
Wanneroo Road/Villanova Street	21 Accidents
Wanneroo Road/Scenic Drive	8 Accidents

In the three month period from when the partial closure at Backshall Place was installed until 31 December 2010 (ie: the end of the period for which accident data is available) the following reported accidents are noted:

Junction		Accident Type	Colliding Vehicle Direction	Hit Vehicle Direction
Ocean Reef Road	Backshall Place	Nil		
Wanneroo Road	Villanova Street	PDO Major Right Turn Through	From Villanova south into Wanneroo Road	Travelling south on Wanneroo Road
		PDO Major Rear End	Villanova Street east bound	Villanova Street east bound
		PDO Major Right Turn	Travelling North on Wanneroo Road	From Villanova south into Wanneroo Road
Wanneroo Road	Scenic Drive	PDO Major Right Turn	Travelling North on Wanneroo Road	From Wanneroo Road southbound into Scenic Drive

NOTE: PDO Major is an accident that damages the vehicle only, to an estimated value < \$1,000.

To further improve road safety in the area, it is suggested that Main Roads WA be approached to investigate the traffic movements at the junction of Wanneroo Road and Villanova Street to determine whether the right turn manoeuvre should be restricted, as this manoeuvre represents the highest number of accidents at the junction.

Consultation

A community consultation survey was sent to residents of Regents Estates bounded by Ocean Reef Road, Scenic Drive and Wanneroo Road on 10 August 2011, requesting a response by Friday 26 August 2011, to determine whether the partial road closure at the intersection should be made permanent or not, refer **Attachment 2**. A further letter, dated 30 August 2011, with the same details as per the 10 August letter, was also sent to residents in the area north of Regents Estates, bounded by Wanneroo Road, San Rosa Road and Scenic Drive, who had previously been consulted to ensure full coverage.

The community consultation survey was sent to a total of 763 properties asking residents to respond as to whether the Backshall Place/Ocean Reef Road intersection treatment should become permanent by answering 'YES' or 'NO'.

In addition, a petition (Petition PT02-09/11) containing 175 signatures was received at the Council Meeting held on 20 September 2011 from residents of City of Wanneroo requesting Council:

“To remove the temporary road closure at Backshall Place and Ocean Reef Road, Wanneroo which restricts traffic from entering the Regents Waters Estate via Backshall Place at the intersection of Ocean Reef Road, Wanneroo. We request the City cease the long term trial scheduled to end in October 2011, effective immediately, and desist from erecting any permanent road closure at this intersection. The road closure is causing unnecessary inconvenience for all residents of the Regents Water Estate, requiring them to detour to Wanneroo Road and Ocean Reef Road intersection and enter the estate via Villanova Street, and causing greater waits and more hazardous driving conditions at the intersection of Ocean Reef Road and Backshall Place when attempting to turn right onto Ocean Reef Road heading in a westerly direction. We are also concerned our property values could be affected due to the restriction in access to and from the Mitchell Freeway.”

The results of the survey and details of the petition are summarised as follows;

Road Name	No. of Residences		Response %	Support the Partial Road Closure at Backshall Place		Response % In favour	No of Residences Signed Petition
	Total	Replied		Yes	No		
Andrews Turn	40	22	55%	6	18	27%	9
Appin Way	4	2	50%	0	2	0%	1
Backshall Place	28	18	64%	11	7	61%	4
Bothwell Way	18	9	50%	3	6	33%	2
Bowmore Drive	20	7	35%	3	4	42%	3
Calabrese Avenue	60	32	52%	12	20	37%	5
Calophylla Court	8	2	25%	1	1	50%	0
Clyde Court	11	7	64%	1	6	14%	1
Crieff Gardens	5	4	80%	0	4	0%	4
Cyclamon Court	6	3	50%	2	1	66%	0
Decora Court	10	3	30%	2	1	66%	0
Fordoun Way	9	4	44%	0	4	0%	2
Jacaranda Drive	17	4	24%	2	2	50%	0
James Spiers Drive	86	49	57%	30	19	61%	7
Kelty Road	9	7	78%	2	5	29%	2
Kentia Loop	28	6	21%	3	3	50%	1
Loyal Terrace	12	4	33%	1	3	25%	5
Mangano Place	97	21	22%	14	7	66%	2
Marginata Place	11	6	55%	1	5	17%	0
Nevis Place	4	4	100%	2	2	50%	1
Ocean Reef Caravan Village	1	1	100%	0	1	0%	0
Poinciana Place	9	3	33%	3	0	100%	1
Rosewell Green	25	14	56%	3	11	21%	4
Roslin Road	18	8	44%	1	7	13%	1
San Rosa Road	11	9	82%	4	5	44%	0
Saint Fillans Bend	53	30	57%	9	20	31%	9

Scenic Drive	14	11	79%	9	2	82%	2
Torridon Loop	75	35	47%	20	14	59%	5
Tweed Road	6	2	33%	2	0	100%	1
Tyne Crescent	19	12	63%	10	2	83%	2
Wanneroo Road	9	2	22%	0	2	0%	0
Watson Road	10	5	50%	2	3	40%	4
Wishart Loop	25	11	44%	4	7	36%	5
Unknown Location		4		3			0
SUB-TOTALS	763	361	47%	166	194	46%	83
Elsewhere Within City							33
Outside Wanneroo							14
TOTALS	763	361	47%	166	194	46%	130

The percentages noted in the above table relate solely to the survey. In reviewing the signatories to the petition received it was noted that multiple signatures from a single residence were listed. Given the above table is based on a single response per residence, of the 185 signatures noted on the petition, 132 are residents of Regent Estates and the surrounding area and originate from 83 residences that were also included in the survey. Of these signatories, the majority had already forwarded a survey response objecting to the closure. The remaining 53 signatures from 47 residences, are from residents outside of the surveyed area, utilising Little Dimples Child Care Centre and/or the Gospel Baptist Church. It is noted that both these facilities are accessed from Backshall Place.

Comment

To ascertain the movement of traffic as a direct result of the Backshall Place/Ocean Reef Road partial road closure, the City conducted traffic counts throughout Regents Estates to comparatively determine whether the closure had performed as expected - **Attachment 3** refers.

Furthermore, to ascertain the movement of through traffic as a direct result of the Backshall Place/Ocean Reef Road partial road closure, the City also completed an *Origin/Destination Survey* to comparatively determine whether the closure had performed as expected - **Attachment 4** refers.

Of the 31 residents on the Scenic Drive/Tyne Court "cut through" route, 21 responded and 100% supported the closure. Of the 28 residents on Backshall Place, 18 responded with 11 supporting the closure.

The results of the traffic counts and origin/destination survey both show that the closure has reduced traffic volumes through Regents Estates and reduced the amount of external traffic using the roads as a short cut, with traffic volumes reflecting the modelling carried out. It is considered that the trial closure has achieved the objective set by Council when making the decision to implement the partial road closure.

Whilst the petition does represent additional users of the road who do not support the closure remaining, they are largely residents of the area included in the survey.

It is therefore recommended that the partial road closure, as it currently exists, becomes permanent.

Statutory Compliance

Section 3.50 of the Local Government Act 1995 permits a local government to wholly or partially close a thoroughfare to the passage of vehicles.

The procedure detailed in the Act for the continued partial closure of the junction will require the proposal to be advertised locally, inviting public comment and with a copy of the notice to be forwarded to the Commissioner for Main Roads. Additionally the Emergency Services, the Service Authorities and affected residents must be given written notice, with a reasonable time allowed for making submissions. Any submissions must then be considered by Council before the closure can take effect.

Given the resolution arising from Council's decision at its meeting 27 July 2010 (IN07-07/10 refers) that the trial closure at the Ocean Reef Road/Backshall Place intersection remain in place until October 2011, an extension of this closure is required in order to cover the timeframe between advertisement and Council's consideration of public responses that may be received in relation to the permanent closure as advertised. This will necessitate a further advertisement advising the public of the extended period of closure, this extension being a maximum of 28 days allowable under the Act and would extend the trial closure to 28 November 2011.

It is noted that the sign on site reflects a trial closure of 15 months following the implementation of the closure on site, hence the indicated date of 25 November 2011 on the sign. In retrospect, this should have reflected the Council resolution and indicated the date as being 31 October 2011.

Strategic Implications

The proposal accords with the following Outcome Objective of the City's Strategic Plan 2006 – 2021:

- “2 *Social*
- 2.4 *Improve community safety*”

Policy Implications

Nil

Financial Implications

An amount of \$50,000 has been included in the 2011/2012 Capital Works Program, for the installation of traffic management treatments in Backshall Place and St Fillans Bend, (PR-2273) subject to consideration by Council of the outcome of the trial closure.

Voting Requirements

Simple Majority

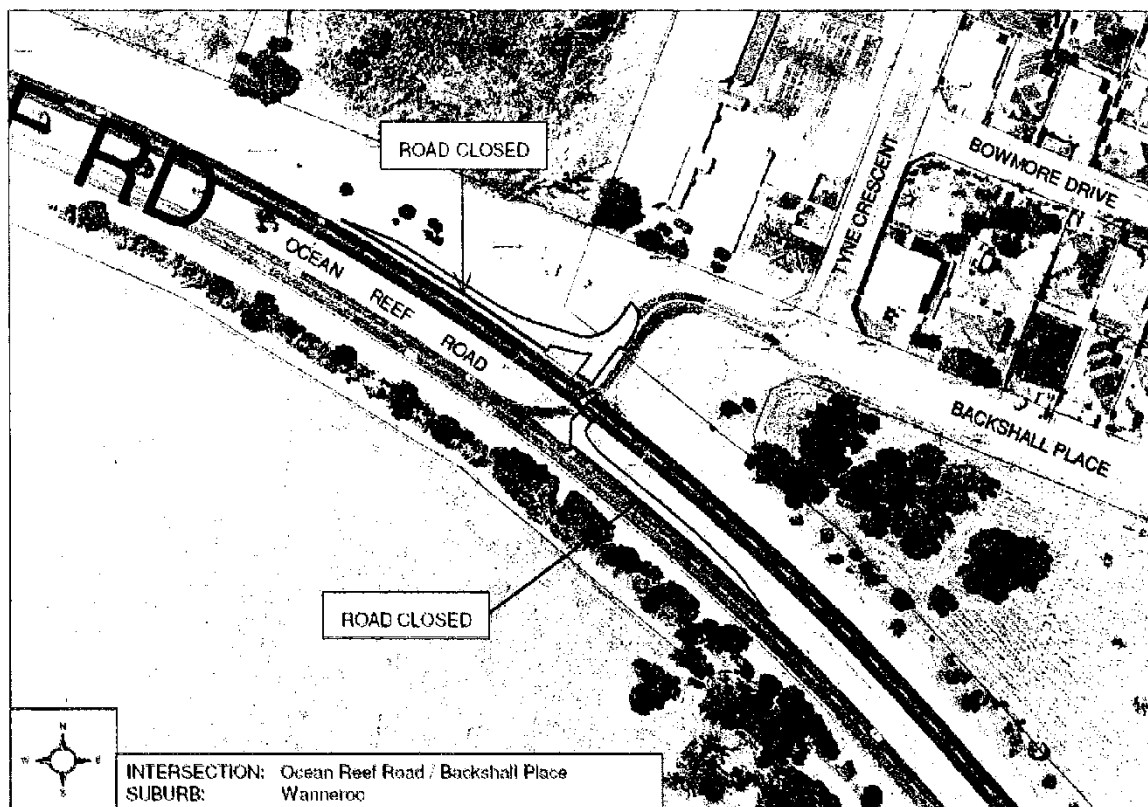
Recommendations

That Council:-

1. **NOTES** the results of the traffic counts, origin/destination survey, residents surveys and Petition PT05-09/11;
2. **REAFFIRMS** its support for the proposed turning restrictions at the junction of Backshall Place and Ocean Reef Road to prevent access into Backshall Place from Ocean Reef Road as shown in Attachment 1;
3. **REQUESTS** Administration in accordance with the requirements of Section 3.50 of the Local Government Act 1995, as amended, to publically advertise the permanent turning restriction at the junction of Backshall Place and Ocean Reef Road to prevent eastbound and westbound traffic on Ocean Reef Road from turning north into Backshall Place for public comment, as shown in Attachment 1;
4. **REQUESTS** Administration to prepare a report on the outcome of public advertisement for consideration by Council as per Item 3;
5. **APPROVES** an extension of the trial closure at the Ocean Reef Road/Backshall Place intersection to 28 November 2011 in accordance with the Local Government Act 1995 Section 3.50 as amended;
6. **REQUESTS** Main Roads WA to investigate the impact on vehicle movements and traffic safety of restrictions to right turning movements at the junction of Wanneroo Road and Villanova Street; and
7. **ADVISES** owners/occupiers of all properties in the area bounded by Wanneroo Road, San Rosa Road, Yellagonga Regional Park and Ocean Reef Road of Council's decision.
8. **ADVISES** the organiser of Petition PT05-09/11 of Council's decision.

Attachments:

1. *Attachment 1 11/107643 Minuted*
2. *Attachment 2*
3. *Attachment 3*
4. *Attachment 4*





File Ref: 3000 (11/66887)
Your Ref:
Enquiries: Transport & Traffic on 9405 5000

2951

10 August 2011

To the Owner/Occupier
Regent Estates

Dear Sir/Madam

REGENT ESTATES – BACKSHALL PLACE PARTIAL ROAD CLOSURE

At the Council meeting held on 1 June 2010, Council resolved (IN07-06/10 refers) as follows:

"APPROVES the proposed turning restrictions at the junction of Backshall Place and Ocean Reef Road to prevent access into Backshall Place from Ocean Reef Road, as shown in Attachment 4, in accordance with the Local Government Act 1995 Section 3.50 as amended. The proposed restriction to extend for 15 months from August 2010 until October 2011"

The resulting trial part closure of the Backshall Place/ Ocean Reef Road intersection ends in October 2011 and the City now seeks comments from residents to assist the Council as to whether the current intersection restrictions should be made permanent.

Attached on the rear of this letter are the traffic counts taken in the area between 2005 and 2011. These show that the actual traffic behaviours and volumes are as the modelling predicted.

Please complete the attached survey form and return to the City in the reply-paid envelope by Friday 26 August 2011.

If you require additional assistance with this request please contact the City's Transport and Traffic team on 9405 5000.

Yours sincerely

Dennis Blair
DIRECTOR INFRASTRUCTURE

Trim 11/66887

23 Dundeebar Road, Wanneroo WA 6065 • Locked Bag 1, Wanneroo WA 6946
Telephone (08) 9405 5000 Facsimile (08) 9405 5499 Website www.wanneroo.wa.gov.au



Review of Regent Estates Traffic Patterns

The results of the traffic counts taken in March 2011 in Regents Estate are listed below. They are in line with the modelling carried out prior to the closures.

It should be noted that the reduced traffic volumes on Backshall Place have resulted in increased traffic speeds. Should a permanent closure of the junction be considered, then additional speed control measures will be required to control these speeding vehicles.

James Spier Dr - South of Scenic Dr

Year	AWT	Predicted	85%ile	Max	Pace	Pace%	Comment
Mar-11	1667	1500	35	58	21 - 41	98	Current Trial
Sep-09	1532		39	64	24 - 44	96	4 week Trial
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Villanova St - East of Calabrese Ave

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Tyne Crs - North of Backshall Pl

Year	AWT	Predicted	85%ile	Max	Pace	Pace%	Comment
Mar-11	1340	1800	51	80	36 - 56	83	Current Trial
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Sep-07	2851		49	117	32 - 52	88	
Dec-06	2796		51	82	34 - 54	84	
Apr-05	1425		48	69	31 - 51	87	

Backshall Pl - East of Tyne Crs

Year	AWT	Predicted	85%ile	Max	Pace	Pace%	Comment
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AWT – Average Weekday Traffic (vehicles per day)

85%ile – The speed at or below which 85% of vehicles are travelling (km/h)

Max – Maximum speed recorded during study (km/h)

Pace – The 20km/h speed range containing the largest number of vehicles

Pace% - The percentage of vehicles contained in the 20km Pace range.

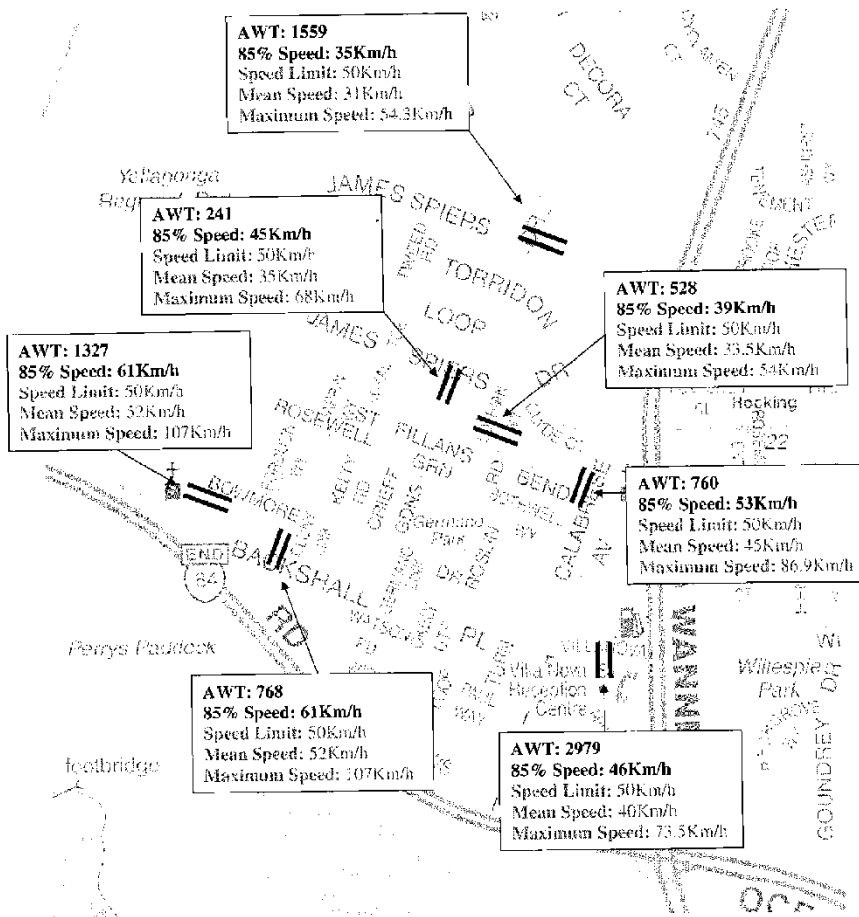
The Pace results for Backshall Place show that not only have the speeds increased significantly, but also that the range of speeds of vehicles has also increased, indicating that users perceive the road environment to be more attractive for speeding.

11/79301

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TRAFFIC COUNT DATA RESULTS
REGENT ESTATES

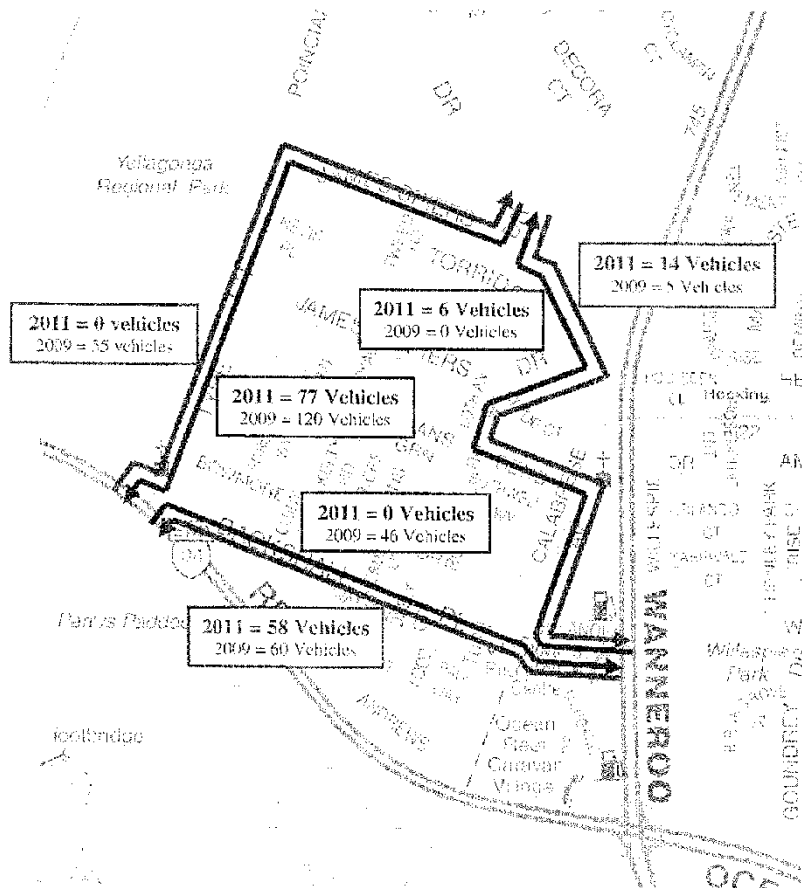
PERIOD: 29 AUG 2011 – 7 SEP 2011



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ORIGIN DESTINATION STUDY RESULTS
REGENT ESTATES

TRIAL PERIOD: 7AM – 9AM 25/08/2011

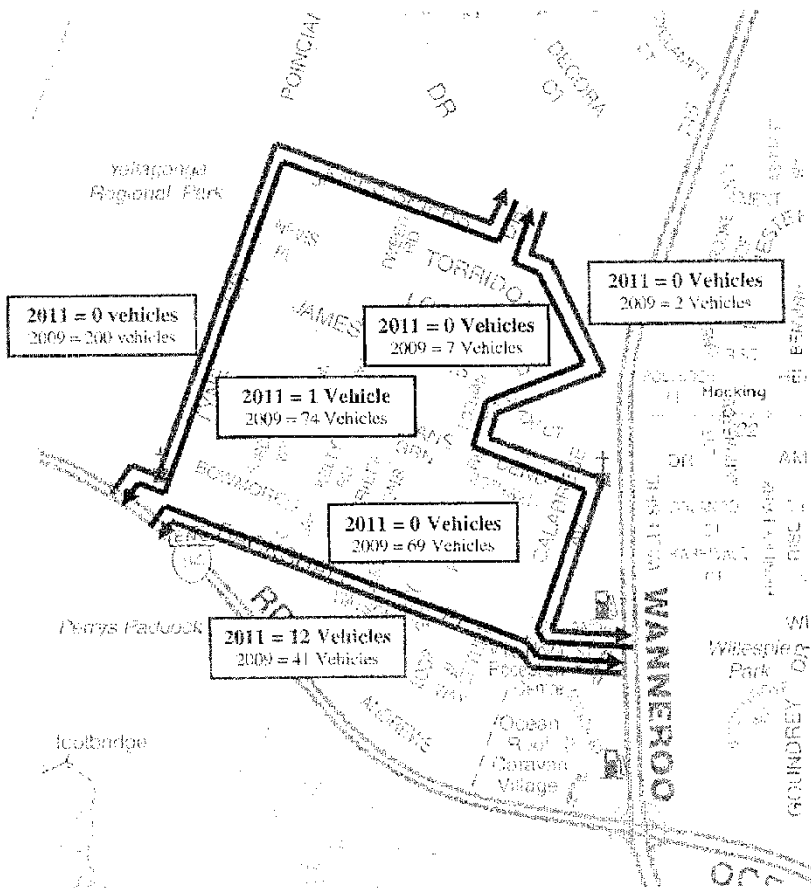


LEGEND
 — ASSUMED TRAVEL PATH (DIRECTION 1)
 — ASSUMED TRAVEL PATH (DIRECTION 2)

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ORIGIN DESTINATION STUDY RESULTS
REGENT ESTATES

TRIAL PERIOD: 4PM – 6PM 25/08/2011



LEGEND

- ASSUMED TRAVEL PATH (DIRECTION 1)
- ASSUMED TRAVEL PATH (DIRECTION 2)