

PROPOSED CHANGES

CNCL – 699



SPEED STUDY RESULTS

The City of Richmond performed a speed study on the corner of Barnes drive. However, this study in our opinion was not an accurate display of the travel speeds of vehicles around the corner on Barnes Drive. The study only recorded one angle and did not record speeds from the other side. In addition to that the signage was very evident which research confirms that “when drivers see electronic speed devices, drivers tend to slow down.” That being said the City of Richmond has an advisory speed limit around this bend of 30km/hour. An advisory sign gives advance notice of conditions on or adjacent to a roadway that are potentially hazardous to traffic. A driver may choose whether or not to follow the suggestion given by the sign. Ignoring the advice is not an offence in itself, but anything that happens because the signs are not given consideration may be an offence.

This corner has children playing as the large open area makes for an attractive location for families and children to gather.

Although this speed study showcased that every day we had vehicles travelling over the suggested speed per the advisory sign the department of transportation chose to ignore this as because they believe the vehicles need to travel over 50km/hour for them to implement any changes. The problem is that 33% of vehicles travelled over 40km/hour on a bend which is extremely narrow and leads to an area where children are at play.

On Wednesday October 14, 2021 33% of vehicles travelled over 40km/hour when the advisory is very clear of 30km/hour. That means that in one day 74 vehicles were going over 40km/hour on this narrow roadway. The study showcases that similar events took place on Monday October 19, 2021 were 59 vehicles travelled above 40km/hour. This bend can simply not handle this type of speed. With Uber, Amazon, SkipThe Dishes and more delivery businesses travelling our roadways this will just get worse and will eventually result in tragedy.

	2020-10-14 Wednesday	2020-10-15 Thursday	2020-10-16 Friday	2020-10-17 Saturday	2020-10-18 Sunday	2020-10-19 Monday	2020-10-20 Tuesday	2020-10-21 Wednesday
Average Speed (km/h)	27.0	27.0	25.8	25.5	25.2	26.4	24.8	24.6
85th Percentile Speed (km/h)	32.5	31.8	32.5	31.3	29.6	32.1	29.9	29.2
Highest Record Speed (km/h)	50.0	46.0	42.0	56.0	48.0	46.0	42.0	42.0
Violations Above Tolerated Speed (%)	33%	25%	29%	27%	18%	33%	23%	18%
Total Volume	222	141	176	194	135	176	156	161

PROPOSED CHANGES



CNCL - 701

30KM/Hour Speed Change

We request City Council to change the advisory yellow speed signage currently displayed to regulatory signage.



No Exit

We ask the city place a "No. EXIT" sign on Bath road which helps travelling vehicles that believe there is a way to get to Ikea or other businesses which from No. 5. road look like can be accessed from our neighbourhood. This will deter unneeded travelling through the neighbourhood.



Slide 3



Slow Street

We ask the city place this above signage with a barrier in two locations around the bend from both ways leading to the culdisac. By doing this we ensure vehicles are slow when approaching this culdisac.

This program is being widely welcomed in Vancouver and I believe the City of Richmond has implemented this in some areas. This location would be a perfect location for this barrier to ensure kids and families are safe and would encourage outdoor play and exercise.

WHY IS THIS IMPORTANT?

01

The **stopping distance** required for a vehicle at 50 km/h is nearly double that of a vehicle at 30 km/h. A **speed reduction** to 30 km/h **doubles the available reaction time** for everyone involved, **increasing the likelihood of avoiding a crash.**

02

The **force of a collision** involving a vehicle driving 50 km/h is 2.25 times that of a collision at 30 km/h; 80 per cent of pedestrians will die in a 50 km/h impact. **At 30 km/h, 85 per cent of pedestrians will survive an impact.**

03

The World Health Organization states that 30 km/h is best practice for road speed unless there are separated cycling and pedestrian facilities. Other organizations, like the International Road Assessment Program, and the Global Network for Road Safety Legislators, also recommend 30 km/h speed limits. The International Transport Forum of the OECD (Organization of Economic Co-operation and Development) states: *“Where motorised vehicles and vulnerable road users share the same space, such as in residential areas, 30 km/h is the recommended maximum.”*

04

Slower speed limits challenges us to rethink our municipal fabric, and how it can serve people, and isolate the motor vehicle as an adjunct to, not a replacement for, social space. It is a concept that is finally coming to fruition elsewhere in the world, and it's time Canadian municipalities responded.

CONCLUSION

The requests proposed in this package do not change the neighbourhood or impact neighbours negatively. The costs for these changes are minimal as posts are already in place and the barriers are something the city would have readily available. All the city staff need to do is replace the yellow signage to White enforcable signage along add a "No. Exit" sign below the Stop sign on Bath road. The barriers do not require installation and could be placed in two spots approaching the culdisac with a small city crew. There is No major suggested changes which would significantly impact anyone or cost the taxpayer significant amounts of money.

I request Council to simply approve these extremely minimal changes which I believe would help with traffic calming measures in the neighbourhood. It is important to ask for immediate approval as summer months are approaching many more families and children will be outside and with the minimal work and minimal costs involved having this linger for several months will be unnecessary and counter-productive.

Thank You for your consideration

Harmon Bal
604-655-8827

We, the undersigned, call on Roads Service, Engineering and By-Law departments of Richmond City to take immediate action to ensure the safety of ALL road users of Barnes Drive and Flury Drive in Richmond, between the entrance/exit of Bath Road and the junction of the Barnes Drive and Flury Drive.

We are proposing 4 options for consideration by the City of Richmond:

1 - Take immediate action to add gravel or asphalt pavement, concrete sidewalks on the boulevards to get parked cars off the main road and maintain the road sides of the road so drivers visibility are not impaired by parked cars and trucks on the pavement and pedestrians are no longer forced to walk on the road surface competing with passing traffic.

2 - Put in place a speed limit and traffic calming measures to reduce the legal speed limit in the area and to physically force the reduction of speed of road users in and around areas of concern.

3 - Extend a footpath system already in place on Bath road Entrance/Exit to continue around Barnes Drive and Flury Drive so pedestrians can make the journey in safety without fear of passing traffic.

4 - To allow homeowners the opportunity to extend the roadway using gravel or pavers as agreed upon by Richmond

Engineering department in order to reduce the costs to city.

Date	Name	address	Email SIGN	Phone (778) 385-4438
18 Oct 2015	Bill Brown - Ananta	12433 Barnes Dr.	lastingmagic@hotmail.com	604-244-0212
Oct 18/15	Laurel Fahrni	12420 Flury Dr.	lrfahrni@hotmail.com	604-244-0212
Oct 18/15	GURBASH BAINS	12468 FLURY DR	<i>[Signature]</i>	604-244-0773
Oct 18/15	SANTOSH BAINS	12468 Flury Drive	Santosh Bains	604-244-0773
Oct 18/15	Gurjeet Johal	12411 Flury Drive	<i>[Signature]</i>	604-726-7424
Oct 18/15	Ravinder Johal	12411 Flury Drive	<i>[Signature]</i>	604-727-7429
Oct 18/15	Malkit Johal	12400 Barnes Drive	Malkit Johal	604-727-8244
Oct 18/15	SURINDER SINGH	12455 BARNES DRIVE	S. Singh	604-278-6698
Oct 18	AFZAL SHAH	12451 Barnes Drive	Afzal Shah	604-778-8691/1241
Oct 18	MELBA LAPUS	12431 Barnes Drive	Melba Lopus	604-270-0128
Oct 18	R Zaiden	12440 FLURY	R. Zaiden	604-447-2466
Oct 18	Andy Helms	12240 Flury	<i>[Signature]</i>	604-242-2074
Oct 18	Ruth Helms	12260 Flury	<i>[Signature]</i>	604-278-2073
Oct 18	Bill Barnes Drive	12211 Barnes Dr	J. FLORA FU	604-301-0701
Oct 18	Liz Paul McDonald	12291 Barnes Dr	Liz McDonald	604-273-6786
Oct 18	Winnie Chow	12231 Barnes Dr.	<i>[Signature]</i>	604-808-5661
Oct 18	Jessie Macau	12255 Barnes	Jessie Macau	604-715-7972
Oct 18	Paul Chau	12431 FLURY DR	<i>[Signature]</i>	604-258-0234
Oct 18	SAN VO LAU	12271 Barnes Dr	<i>[Signature]</i>	778-297-9381
Oct 18	Hester Lum	12720 BARNES DR	Hester Lum	(604) 276-0134
Oct 18	Jon Chen	12471 Barnes Dr.	<i>[Signature]</i>	778-927-2277

We, the undersigned, call on Roads Service, Engineering and By-Law departments of Richmond City to take immediate action to ensure the safety of ALL road users of Barnes Drive and Flury Drive in Richmond, between the entrance/exit of Bath Road and the junction of the Barnes Drive and Flury Drive.

We are proposing 4 options for consideration by the City of Richmond:

AFTER HAVING POWER LINES OVER STREETS BURIED AT STREET SIDES,
 1 - Take immediate action to add gravel or asphalt pavement, concrete sidewalks on the boulevards to get parked cars off the main road and maintain the road sides of the road so drivers visibility are not impaired by parked cars and trucks on the pavement and pedestrians are no longer forced to walk on the road surface competing with passing traffic.

2 - Put in place a speed limit and traffic calming measures to reduce the legal speed limit in the area and to physically force the reduction of speed of road users in and around areas of concern.

3 - Extend a footpath system already in place on Bath road Entrance/Exit to continue around Barnes Drive and Flury Drive so pedestrians can make the journey in safety without fear of passing traffic.

4 - To allow homeowners the opportunity to extend the roadway using gravel or pavers as agreed upon by Richmond

Engineering department in order to reduce the costs to city.

Date	Name	address	Email	Phone
Oct 15/15	LOKESH AGGARWAL	12455 BARNES DRIVE	Lokesh Aggarwal	778-928-0797
Oct 16/15	Roshan Singh Sahota	12435 Barnes Drive	R Sahota	604-276-2435
Oct 16/15	AMMIK MATTU	12320 Barnes Drive		778 883 2219
Oct 16/15	MANINDER/MAUPREET SAMBHI	12280 FLURY DR 12280 FLURY DR	Maninder Singh Maupreet Sambhi	778 235 5161
Oct 16/15	Stella Chow Bruce Jones	12331 FLURY DR 12300 Barnes	Stella Chow Bruce Jones	778 862 8089 604-722-7005
Oct 16	CURDIT S. BRAR	12380 BARNES	Curdit S Brar	604-808-2945
Oct 16	Heena Badesha	12311 BARNES	Heena Badesha	604-233-1900
Oct 16	Stennie Stuber	12351 Barnes	Stennie Stuber	604 329 1824
Oct 16	Dhesi, Kulwant	12351 FLURY DRIVE	Kulwant Dhesi	604-218-6090
Oct 16	BERKELEY MECKLE	12391 BARNES DR	Berkeley Meckle	778-389-7803
Oct 16	MARVIN MECKLE	12411 BARNES DR	POA for MARV MECKLE	778-389-7803
Oct 16	Harman Bui	12420 Barnes Dr	Harman Bui	604-655-8827
Oct 17	JAGDEV CHEEMA	12340 Barnes Dr	Jagdev Cheema	604-321-1150
Oct 18	Gurpash Tandi	12391 Flury Dr	Gurpash Tandi	604-562-1091
Oct 18	K Gill	12311 Flury Dr	K Gill	604-644-1211
Oct 18	MANJEET S. SIDHU	12351 FLURY DR	Manjeet S. Sidhu	604-303-0506
Oct 18	LIN YING	12340 Flury DR	Lin Ying	604-332-9740
Oct 18	Janette Copeland	12360 Flury Dr.	Janette Copeland	604-278-4790
Oct 18	BRINDA COPOLAND	12360 FLURY DR.	Brinda Copeland	604 278-4794
Sept	STEVE Wharley	12380 Flury Dr	Steve Wharley	604-273-5194

This is a request to the City of Richmond to add curbs, trim back trees, and have a painted yellow line with reflectors on the road to ensure & improve road safety in the Flury Dr. and Barnes Dr. neighbourhoods. The signatures below are evidence of the neighbourhood support for this request. The corner at the residence of 12431 Flury Dr, is a dangerous blind corner for pedestrians, especially young children sharing the road with on-coming traffic.

The curb and painted yellow line with reflectors, is very effective on the corner at the residence of 12420 Barnes Drive. This has helped reduce speed, as it keeps the appropriate traffic within its correct lane, while providing a safe area for pedestrians, by being separated from traffic by the curb.

*Residences at corner of 12431 Flury Dr.

Date	Name	Address	Phone	Signature	No. Of Children
★ 5/29/17	Paul Chau	12431 FLURY DR	604-258-0234		0
★ 5/29/17	TIM LIAO	12448 FLURY DR	604-362-6487		0
★ 5/29/17	Cailee Zindler	12440 Flury Dr	604-834-6704		—
★ 5/29/17	LAVIJI FAHIMI	12430 Flury Drive	604-244-0212		—
★ 5/29/17	Gregory L. Kama	12391 Flury Dr.	604-562-1041		1
★ 5/29/17	CHEN XIAO BIN	12340 Flury Dr	604-323-9749		2
★ 5/29/17	Debbie Lum	12500 Bath Rd.	604-273-2807		2
★ 5/29/17	BORIS MARGOVSKI	15-12060 BATH RD.	604-232-1327		0
★ 5/29/17	Andy Helms	12240 Flury Dr	604-242-2024		2
★ 5/29/17	Jagdeep Singh	12340 Barnes R.D	604-321-1156		3
★ 5/29/17	SHARIF RAFI	12371 BARNES DR	778-866-7020		1
★ 5/29/17	Harman Goul	12420 Barnes Drive	604-655-8827		2
★ 5/29/17	Reena Badesha	12311 Barnes Dr.	604-233-1900		2
★ 5/29/17	XIAN SONG LIN	12360 Barnes Dr.	604-218-2629		5
★ 5/29/17	NIK TANAH	12431 BARNES DR	778-388-8375		2
★ 5/29/17	SANTOSH RAJAS	12468 FLURY DR.	604-244-0778		6
★ 5/29/17	Jessica Almaguer	12451 Barnes Dr.	778-636-0481		1
★ 5/29/17	VANESSA TAYLOR	12471 BARNES DR	604-366-5477		1
★ 5/29/17	BRAUN/JANETTE COPELAND	12360 FLURY DRIVE	604-278-4794		2
★ 5/29/17	Ravi Rao	12411 FLURY DRIVE	604-271-1491		2
★ 5/29/17	Malikit Jomal	12400 Barnes Drive	604-777-5244		2
★ 5/29/17	MANUEL VILACIA	12460 FLURY D.D.	604-363-2596		—