

Presentation to  
City of Richmond  
Mayor and Councilors  
River Road Safety Enhancements

Lynda Parsons  
January 29, 2018

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Good evening Your Worship Mayor Brodie and Council members, my name is Lynda Parsons – I live at 2491 No. 8 Road which is only accessible off of River Road.

River Road is the only access that we have to our properties. It is the only access that emergency vehicles have to our properties. As each speed hump can impede emergency response by up to 10 seconds per speed hump, and the residents of this River Road community will be put in harm's way with the installation of speed humps, I was pleased that, following my presentation to you on December 11, 2017, you were in agreement with the residents that alternate methods should be tried prior to the installation of the speed humps. The motion put forth following my presentation and the ensuing discussion was:

"refer to staff to review the potential solutions to deter speeders on River Road prior to the installation of speed humps"

The installation of speed humps was approved by council on September 25, 2017(item 16 on consent agenda). My understanding is, as resolutions are acts which bind council and municipal officers until repealed, this resolution is in force until it is repealed or rescinded. Until you repeal or rescind the resolution to install speed humps it is clear by Mr. Wei's email response to me, (page 16) and Mr. Dhaliwal's response to Ms. Fisher (page 18) that they intend to carry on with the installation of the approved speed humps in the spring.

I have included copies of email correspondence for your review (page 10-18)

I am here tonight to respectfully ask that you please, put forth a motion to rescind this resolution, so that we can start over on this project before more of our tax dollars are wasted on turning our only access into a danger zone for the residents and a very expensive cycling lane for the elite few cyclists who wish to use this on weekends.

A prime example of the waste that has occurred on this project – keep in mind that each of these 6 steps began on separate days, and took multiple days to complete – Step 1 - Survey of Road – survey markers installed – Step 2 - Dec. 13, 2017 crews compacting the ground – Step 3 - Jan. 3, 2018 concrete blocks placed on the compacted ground – Step 4 - small pylons were placed at the end of each concrete block. – Step 5 - small pylons were replaced with larger pylons placed atop the concrete block – Step 6 sign posts added to the top of the concrete block. As each of these “steps” took multiple days to complete, I have to wonder if the \$100,000 earmarked for this project hasn't already been depleted by this atrocious waste of time and money.

We are being put at risk by the installation of the concrete sign bases, **and** they contravene the Province of British Columbia requirements. (page 4-5)

It is clear that these sign bases are in a position where they can be hit by vehicles. In accordance with the PROVINCE OF BRITISH COLUMBIA Manual of Standard Traffic Signs & Pavement Markings, concrete sign bases must be flush with the graded ground level or be located behind roadside barrier

As can be seen in the photographs some of the dangerous concrete sign bases are closer to the pavement edge than the sign post that it is replacing, (page 6-7) and there is excessive use of signs. (page 8-9) These photos also clearly show that there is no need for the concrete – the poles could have been placed into the ground as they have been in the past.

We are requesting that these concrete obstacles holding the signposts be removed immediately or placed behind barriers as required by Provincial Government in the PROVINCE OF BRITISH COLUMBIA Manual of Standard Traffic Signs & Pavement Markings before they are struck and cause injury or death.

The actual signs themselves further show that the intent of the Department of Transportation is to turn the only access to our properties into a quasi-cycling lane with no regard for the health and safety of the residents, as the only alert refers to cyclists. (page 6-9) There is no reference to anything but cyclists – no caution about slippery conditions, black ice etc. – nothing but a notice about the cyclists that we are well aware of, as their horrible behaviour cannot be ignored.

I would like to add that this behaviour is not reserved for vehicles who encounter the cycle packs as I found out when I walked along River Road to collect signatures. There were no vehicles in the opposing lane, but as the pack approached me some moved closer to the right so that I was forced into a dangerous position on the side of the road as there was little space past the pavement before the ditch to stand on.

These signs, changing the yellow lines and pavement marking were all approved by council on June 26, 2017 (item 15 on consent agenda). As the signs are illegal, and the pavement markings and lines have not begun I am asking that this resolution also be repealed.

The thought that speed is a major issue on this street seems to be coming from the cycling community, as they were the only group consulted prior to the decision that speed humps are required. The resident's concerns were ignored.

Speed has not been determined to be the issue – according to information forwarded to me by the Transportation Department and information contained in the reports that they presented to you .0017% of the vehicles that travel this road have received speeding tickets. Of course, going forward we see how reliable these numbers are when technical data is collected and analyzed.

We are all aware that there have been fatal crashes on River Road, however, as speed is not the main cause, speed humps will not eliminate fatalities on our street – drivers using caution will.

In July 2017 the Transportation Department sent out 167 copies of a survey. This survey was patently flawed as it was sent out to vacant properties, had duplicates, triplicates and some addresses even received 4. One of the properties that received 4 copies is a vacant lot and one has 4 people living in the house – two of which are not even school age. 2 copies were even addressed to the homeless camp.(page 19-23) I have also found that some residents who did receive the survey are not on the City's list. The result of this survey – 60% opposed the installation of speed humps. These residents were ignored and further insulted by having their concerns addressed as perceptions.

This survey was not sent out to all that would be impacted (my document contains yellow highlighting on these as well as those not on the City's list but did receive the survey) (page 24-25) The total number of actual properties that use River Road as their only access to their property is 82. There are 9 business properties and 73 residences. I know this as I hand delivered notices (page 26) to each of these to advise that we would be speaking here tonight. I eliminated the Gilley Road properties, as they do not use River Road to access their property.

Going forward, as soon as these motions are called and carried, my hope is that all who will be impacted will be included in future discussions, and our opinions heard and relied upon.

Thank you.

# Manual of Standard Traffic Signs & Pavement Markings

## PROVINCE OF BRITISH COLUMBIA

[https://www2.gov.bc.ca/assets/gov/driving-and-transportation/transportation-infrastructure/engineering-standards-and-guidelines/traffic-engineering-and-safety/traffic-engineering/traffic-signs-and-pavement-markings/manual\\_signs\\_pavement\\_marking.pdf](https://www2.gov.bc.ca/assets/gov/driving-and-transportation/transportation-infrastructure/engineering-standards-and-guidelines/traffic-engineering-and-safety/traffic-engineering/traffic-signs-and-pavement-markings/manual_signs_pavement_marking.pdf)

### 1.3 REQUIREMENTS OF SIGNS

Traffic signs are required in order to provide for the safe and orderly movement of motorized and non-motorized traffic and pedestrians. Signs provide information about highway routes, directions, destinations and points of interest. They also provide information on regulations which apply to specific locations or at specific times, and warn of hazards which may not be evident.

To be effective a sign should:

- Fulfill a need.
- Command attention and respect.
- Convey a clear and simple message.
- Allow adequate time for a proper response.

To meet these objectives, signs must have a carefully considered message, be of uniform design, and be applied and placed in a consistent manner. Contradictory or misleading information, incorrect placement or use of inappropriate standard signs can confuse the road user. It is also most important to recognize that improper or **excessive use of signs leads to disrespect and non-compliance of the sign.**

#### 1.7.3 LATERAL POSITIONING

On a road with a shoulder, signs are generally placed between 1.8 m and 4.5m, preferably 3 m, from the edge of the traveled roadway. Signs should not be placed closer than 0.6 m to the face of a roadside barrier or asphalt curb or to any part of the shoulder onto which a vehicle can drive. An exception to these rules is the reduced lateral clearance as indicated in the text for the R-1 STOP sign. Figs 1.1 and 1.2 show examples of typical sign installations.

On a road with curb and gutter, a minimum of 0.3 m clearance from the curb face to the nearest sign edge is permissible.

On sections of road where a clear zone has been established, signs supports must be outside the clear zone, be of a breakaway design or be protected by a barrier or an attenuator meeting Ministry standards. A sign should not be moved from its optimum position in order to meet these requirements.

## 1.8 SIGN POSTS AND BASES

Wooden, metal or plastic posts may be used. Plastic posts are generally used only for highway delineators.

Posts and, where applicable, bases shall be installed to hold signs in position against wind, plowed snow and displacement by vandals. At locations where sign supports could be hit by vehicles, they should be located behind appropriate barrier or have breakaway footings. A wooden sign post 15 cm x 15 cm (6" x 6") or larger must have a hole drilled through the post just above ground level, in accordance with the Standard Specifications for Highway Construction to permit it to break away if hit.

Concrete sign bases must be flush with the graded ground level or be located behind roadside barrier. Before excavating for sign supports, confirmation should be obtained that there are no conflicts with underground utilities.

More than one post will generally be required if a sign is 1.2 m or more in width or has an area greater than about one square metre. Type, number, and size of sign posts can be determined from tables found in the Electrical and Traffic Engineering Manual. For aesthetic reasons, the style and material of sign posts on a section of highway should be as consistent as possible.

Sometimes a sign can be mounted on a support used for another purpose, such as a traffic signal or luminaire pole, provided the mounting is done with banding and no holes are drilled in the poles. Correct location of a sign should not be compromised.

## W-130 CYCLISTS ON ROADWAY SIGN

The W-130 CYCLIST ON ROADWAY warns both motorists and cyclists that both may be present on the roadway. This sign should be used where the presence of cyclists would be unexpected by the motorist, or where there is heavy volumes of cycling traffic on the route.

**PHOTOGRAPHS OF SIGNS ON RIVER ROAD**











## EMAIL CORRESPONDANCE

**1. Date: November 28, 2017**

**Sent to: Joan Caravan, Mayor and Councillors**

Joan Caravan

Transportation Planner, City of Richmond

Dear Ms. Caravan,

I am writing to you concerned about the installation of 20 additional speed humps along River Road between 7 Road and Westminster Highway.

I live on No. 8 Road, and River Road is our only access. We are clearly in the group of residents that would be impacted by the installation of 20 additional speed humps, however, we did not receive any correspondence from the City of Richmond.

After hearing of the plans to install an additional 20 speed humps, I started looking into how it came about.

At the June 26, 2017 City Council meeting your report dated June 6, 2017 was produced at consent agenda 15.

Councillor McPhail addressed this agenda item at 1:44:12 of the council meeting, stating:

“Thank you to Staff for the report which contains 3 proposed recommendations. I know all of Council have certainly heard the concerns especially from the cycling community about the number of accidents and possible issues with the roadway and I just have a question through you your worship to staff. In the report it talks about a consultation with area residents and businesses around the possibility of speed humps – so just wondering what is the timeline for that consultation and what I am getting to, is in the report 12 speed humps are estimated to cost \$42,000 so my question around the consultation is would this come back for the 2018 budget discussion or if this was something that we decided we would go ahead with is there money in the budget to the 2017 budget to go ahead and do that?”

Staff reply at 1:45:14:

“Your Worship, to answer the first part of the question we will carry out the consultation over the summer, hopefully before August. We will actually send out letters to every single business and residents that would be affected proposed speed humps. Once we have the results back staff will analyze the results over the summer months primarily in August with the intent of coming back to Council sometime in September or October and if there is majority support for the speed humps we do have existing budget to implement the speed humps.”

Even though Staff reported to Council that “every single business and residents that would be affected by the proposed speed humps” would receive letters this was not the case. No one on No. 8 Road received any correspondence from the City of Richmond.

Staff also replied “and if there is majority support for the speed humps we do have existing budget to implement the speed humps.”

On September 13, 2017 a letter from Victor Wei was conveniently sent out advising the residents that 60% opposed the installation of speed humps. I say conveniently because this is just prior to the Committee Meeting and Council Meeting where this would be

approved. Because we live in a democracy, why would anyone opposed to the speed humps ask to address the issue at either meeting when they have just been informed that there was not support, and so logically concluded that speed humps would not be installed. In fact, just today I spoke to someone who was in favor of the speed humps and he thought that because the letter stated that 60% were opposed that the speed humps were no longer being considered.

Your letter dated August 22, 2017 states:

“Although 60% of the survey responses indicated non-support for the proposed speed humps, the reasons cited for the opposition were found by staff to be primarily based on personal perceptions. Staff assessment was based on technical analysis prior to developing the recommendation.”

On page 3 of your letter the concerns of the residents were:

Inconvenience, increased noise, wear to vehicles, safety of the speed humps and effectiveness to reduce motorists' speed.

If these concerns were actually analyzed Staff would have determined that these concerns are real.

I would like to know, other than consult with cycling organizations, what type of technical analysis was actually done?

On November 7, 2017 and again on November 14, 2017 I asked Staff for data results that you have with respect to the number of vehicles that use River Road and the number of speeding tickets that have been issued, including the number of speeding tickets in the 30k zone. I was told that I would receive this information “by the end of the week” – so far I have not received this information. If analysis was done to determine that speed is the major concern, this information should be readily available, which leads me to believe that it is Staff's perception that speeding is the major issue based on feedback from the cycling community. I do not see anything that confirms that staff has done a thorough analysis – consulting with cycling groups does not, in my opinion, qualify as an analysis.

I am asking that a moratorium be placed on this project until such time as all affected can have the opportunity to have their concerns addressed, and that the project is more effectively analyzed.

Sincerely,

Lynda Parsons

2491 No, 8 Road

**Reply: from Victor Wei**

**Date: December 4, 2017**

**Sent to: Lynda Parsons, Mayor and Councillors**

Dear Ms. Parsons:

Thank you for your message to Joan Caravan below regarding the planned speed humps on River Road, which was also addressed to Mayor and Councillors. On behalf of Joan, I would like to offer the following information in response to your inquiries.

- **Consultation with Residents and Businesses:** Per the City's standard practice, surveys are sent to owners whose properties are adjacent to the street on which the traffic calming measure is proposed, as they would be most directly affected by some of the proposed speed humps that may be in close proximity to their driveways.
- **Staff Assessment:** The analysis was based on actual experience from similar speed humps installed in Richmond (e.g., Gilbert Road south of Steveston Highway), which did not substantiate the concerns raised by owners. Due to the overall length of River Road, staff recommended the installation of 20 "speed cushions" only after thorough analysis and careful consideration of all factors to effectively address the on-going speeding activities on this roadway and improve the safety of all road users, not just cyclists. These speed cushions are considerably more gentle in terms of elevation difference from normal pavement surface than the typical speed bumps at parking lots and can be travelled over comfortably at the posted speed limits. Hence, there would be no impacts to road users, including area residents, as long as they are traveling at the posted speed limit.
- **Traffic Volumes & Speeds on River Road:** A traffic study conducted in July 2011 in the 23,000-block of River Road recorded an average annual daily volume of 2,660 vehicles in both directions, of which 90% were passenger vehicles. The average recorded speed was 67 km/h while excessive speeding was regularly observed by RCMP as stated below.
- **Speeding Violations Issued:** Crash statistics from Richmond RCMP for the period 2011 to 2016 indicate a total of 45 crashes involving 84 vehicles that resulted in 24 injuries and two fatalities. With respect to enforcement, nearly 100 violations have been issued since 2015 with over one-third related to speed and nearly 20% related to excessive speed (i.e., more than 40 km/h over the posted speed limit). For 2017 to date, 13 speed-related violations have been issued with one-half of those for excessive speed. For your reference, here is link to the staff report: [https://www.richmond.ca/\\_shared/assets/16\\_RiverRdSafetyEnhance48379.pdf](https://www.richmond.ca/_shared/assets/16_RiverRdSafetyEnhance48379.pdf).

Staff are in the process of preparing follow-up letter to owners advising of Council approval of the installation of the speed humps and the next steps and timeline for implementation, which will include further consultation with the directly affected River Road residents and businesses on the final location of the speed humps. Due to Winter weather constraints, construction of the speed humps is not expected to commence until Spring 2018.

If you have any specific concerns or suggestions on the new speed humps, please contact Bill Dhaliwal, Traffic Supervisor, at 604-276-4210 who will assess the need for any refinement of the final design and location of the new speed humps if found warranted.

Again, we appreciate you shared your comments with us.

Victor Wei, M. Eng, P. Eng.

Director, Transportation

**2.Date: December 13, 2017**

**Sent to: Mayor and Councillors**

Dear Mayor Brodie and Councillors,

Thank you again for listing to our concerns. Following the Council Meeting on Monday night, I was a bit confused on the resulting motion. I listened to the video of the meeting to see if it would bring any clarity. We are asking for more actual data to be collected to determine if speed humps are actually required. Mr. Wei advised you on Monday night that there have been 100 speeding tickets issued. Reading through the reports, there have been 100 tickets issued with 1/3 being speed related tickets - this is over almost a 3 year period - from 2015 - 2017. Mr. Wei advised me that 2,660 vehicles travel River Road each day. Using the cut off date of Dec. 4, 2017 (as this was the date that I received the information on the traffic volume)  $365+366+338=1069$  days X 2,660 vehicles per day = 2,843,540 vehicles travelled River Road and 33 speed related tickets were issued – that is .00117% of the drivers speeding, and the 20% of the speeding tickets issued for excessive speed is .00023% . Please note the number of zeros. This is why we are asking that data be collected and analyzed.

The motion as I hear it on the video is: "refer to staff to review the potential solutions to deter speeders on River Road prior to the installation of speed humps" With respect, this clearly does not go far enough - we need current data to be collected and analyzed to determine if there is a speeding problem or if it is a perceived problem based on feedback from the cycling groups.

With the Department of Transportation being of the mindset that speed humps are required and the only solution, they seem to have reviewed the potential solutions and found that speed humps are still their answer as my neighbour who lives at 22160 River Road just advised me that a City of Richmond crew was out today placing gravel and compacting the gravel right beside the survey post that indicates the placement of the speed hump in front of her property.

Can you please advise me if it is possible to have the motion amended so that the installation is suspended?

Thank you.

Sincerely,

Lynda Parsons

**NO REPLY TO DECEMBER 13, 2017 EMAIL.**

**3.Date: December 16, 2017**

**Sent to: Mayor and Councillors**

Dear Mayor Brodie and Council Members,

Further to the December 11, 2017 City Council Meeting where Victor Wei, Transportation Director advised that speed indicator signs have been tried and do not work, I questioned residents who have lived in the area for 40 years, and no one recalls ever having seen any of these signs.

I looked into some of the signs that are available and found that there are signs that do much more than alert the driver of their speed. They would allow data to be collected to give:

Total and average vehicle counts

Minimum and maximum speeds

Average and 85<sup>th</sup> percentile speeds

Total percentage of speed violations

These signs could be a valuable tool for gaining much needed information. Full details can be seen at:

[www.transcanadatrafic.ca/SP600.html#.WjVTy9-nHIX](http://www.transcanadatrafic.ca/SP600.html#.WjVTy9-nHIX)

[SafePace 600 Variable Message Radar Speed Sign. Create ...](#)

[www.transcanadatrafic.ca](http://www.transcanadatrafic.ca)

Trans Canada Traffic is pleased to be able to provide you the best range of Radar Speed Signs available. The versatile Traffic Logix SafePace 600 radar feedback sign ...

I have also created a summary document that I have included for you to refer to.

I am asking again, please halt the installation of speed humps until there is proof that they are

needed and that they **are** the only option.

Thank you,

Sincerely,

Lynda Parsons

**NO REPLY TO DECEMBER 13, 2017 EMAIL.**



**Sent to: Mayor and Councillors**

Dear Mayor Brodie and Council Members,

Can each of you please take a drive down River Road between 6 Road and Westminster Highway and explain to me how it is safe to plunk a bunch of yellow coloured concrete chunks at the side of the road. It is bad enough that there are hydro poles and fire hydrants almost touching the pavement to be wary of, but now a bunch of concrete - just high enough to catch a tire and throw yet another car into the ditch.

This is not a rant email, I am actually expecting an answer to my question - how is this safe?

Sincerely,

Lynda Parsons

**Reply: from Victor Wei**

**Date: Friday, January 12, 2018**

Dear Ms. Parsons,

Thank you for recent email dated January 3, 2018 regarding the yellow no post barriers recently placed on River Road.

The concrete posts have been placed on the shoulder in order to install the poles and signs for new signage enhancements on River Road which are part of the traffic safety measures approved by Council prior to their consideration of the approved speed humps. Due to the soil conditions of the road shoulders, the placement of barriers was necessary for mounting of the new signage. The placement of the concrete posts will also be positioned away from the pavement edge (the travel portion of the roadway) so there will be no conflict with moving vehicles.

Thank you for sharing your concern with us.

Victor Wei, M. Eng, P. Eng.

Director, Transportation

My Reply to Victor Wei's email:

Lynda Parsons <Parsons606@hotmail.com>

Tue 01-16, 10:34 AM

Wei, Victor (VWei@richmond.ca);

Mayor and Councillors (mayorandcouncillors@richmond.ca)

Dear Mr. Wei,

Thank you for acknowledging my email, however, the question that I asked was - how are these safe. Your email does not address this.

Furthermore, I am quite astonished that on September 25, 2017 when asked by Councillor McPhail if other measures had been tried prior to the approval of speed humps and you advised her of the signs etc that had been approved are just now being installed - months after the speed humps were approved.

I will look forward to your comments on this.

Lynda Parsons

**NO REPLY TO January 16, 2018 EMAIL.**

**5. Email from Bill Dhaliwal from Joanne Fisher (with permission)**

**From:** "Dhaliwal,Bill" <[BDhaliwal@richmond.ca](mailto:BDhaliwal@richmond.ca)>  
**Date:** December 22, 2017 at 2:40:44 PM PST  
**To:** 'Joanne Fisher' <[phaedra\\_sky@yahoo.com](mailto:phaedra_sky@yahoo.com)>  
**Subject:** RE: Regarding Speed Humps on River Road, From J. Fisher

Dear Ms Fisher,

Thank you for recent email regarding River Road. Staff have reviewed your comments and offer the following response.

The work you currently have seen being done on River Road is related to new signage only that will be installed as part of the River Road project.

With regards to the speed cushions, at this time **installation is scheduled for Spring 2018**. However, if there are any changes we will keep you updated.

Regards,

**Bill Dhaliwal - Traffic Operations**

*Transportation Department*

City of Richmond | 6911 No. 3 Road, Richmond BC V6Y 2C1

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**From:** Joanne Fisher [[mailto:phaedra\\_sky@yahoo.com](mailto:phaedra_sky@yahoo.com)]  
**Sent:** Wednesday, 20 December 2017 20:46  
**To:** Wei,Victor  
**Cc:** Dhaliwal,Bill  
**Subject:** Re: Regarding Speed Humps on River Road, From J. Fisher

Dear Mr. Wei,

Thank you for your detailed response.

Although I personally have serious outstanding concerns about the River Road speed hump project moving forward, as do many other residents, I am appreciative of your time taken to address my questions.

A further question I have at this point concerns the scheduling of this project. We have noticed further preparations have been made at the specific areas earmarked for the location of speed humps.

Will this project be proceeding in the spring as previously noted, or has there been a change in their scheduled installation?

Regards,

Joanne Fisher

**LIST OF PROPERTY ADDRESSES THAT SURVEY DATED JULY 17, 2017 WAS SENT TO – received from City of Richmond**

|     |        |          |                |                    |
|-----|--------|----------|----------------|--------------------|
| 1.  | 1281   | 32619047 | 16020 River Rd | Property           |
| 2.  | 1281   | 32619047 | 16020 River Rd | Property           |
| 3.  | 1286   |          | 16031 River Rd | Property           |
| 4.  | 66597  | 32715006 | 16033 River Rd | Additional Address |
| 5.  | 1287   | 32717000 | 16151 River Rd | Property           |
| 6.  | 1282   | 32648065 | 16160 River Rd | Property           |
| 7.  | 1282   | 32648065 | 16160 River Rd | Property           |
| 8.  | 149059 | 32677091 | 16268 River Rd | Property           |
| 9.  | 149059 | 32677091 | 16268 River Rd | Property           |
| 10. | 1290   | 32720000 | 16291 River Rd | Property           |
| 11. | 1285   | 32691714 | 16300 River Rd | Property           |
| 12. | 1285   | 32691714 | 16300 River Rd | Property           |
| 13. | 65537  | 32582607 | 16360 River Rd | Property           |
| 14. | 65537  | 32582607 | 16360 River Rd | Property           |
| 15. | 1276   | 32574580 | 16500 River Rd | Property           |
| 16. | 162378 | 32534000 | 16540 River Rd | Property           |
| 17. | 162378 | 32534000 | 16540 River Rd | Property           |
| 18. | 1272   | 32553004 | 16680 River Rd | Property           |
| 19. | 1272   | 32553004 | 16680 River Rd | Property           |
| 20. | 1275   | 32573000 | 16691 River Rd | Property           |
| 21. | 1275   | 32555072 | 16691 River Rd | Property           |
| 22. | 177380 | 32555072 | 16700 River Rd | Property           |
| 23. | 156639 | 32524032 | 16780 River Rd | Property           |
| 24. | 156639 | 32524032 | 16780 River Rd | Property           |
| 25. | 1268   | 32517023 | 16820 River Rd | Property           |
| 26. | 1268   | 32517023 | 16820 River Rd | Property           |
| 27. | 1267   | 32510006 | 16860 River Rd | Property           |
| 28. | 1267   | 32510006 | 16860 River Rd | Property           |
| 29. | 1266   | 32503009 | 16880 River Rd | Property           |
| 30. | 1266   | 32503009 | 16880 River Rd | Property           |
| 31. | 1264   | 32495006 | 16960 River Rd | Property           |
| 32. | 1263   | 32494000 | 16971 River Rd | Property           |
| 33. | 1263   | 32494000 | 16971 River Rd | Property           |
| 34. | 1242   | 32461000 | 17011 River Rd | Property           |
| 35. | 1253   | 32479082 | 17020 River Rd | Property           |
| 36. | 1251   | 32473005 | 17100 River Rd | Property           |
| 37. | 1251   | 32473005 | 17100 River Rd | Property           |
| 38. | 1243   | 32463000 | 17111 River Rd | Property           |
| 39. | 1250   | 32471002 | 17160 River Rd | Property           |
| 40. | 1249   | 32469070 | 17180 River Rd | Property           |

|     |       |          |                |          |
|-----|-------|----------|----------------|----------|
| 41. | 1249  | 32469070 | 17180 River Rd | Property |
| 42. | 1248  | 32467008 | 17200 River Rd | Property |
| 43. | 1254  | 32483005 | 17260 River Rd | Property |
| 44. | 1258  | 32489000 | 17271 River Rd | Property |
| 45. | 1257  | 32488000 | 17351 River Rd | Property |
| 46. | 1257  | 32488000 | 17351 River Rd | Property |
| 47. | 1255  | 32486000 | 17360 River Rd | Property |
| 48. | 1255  | 32486000 | 17360 River Rd | Property |
| 49. | 1527  | 36582091 | 17440 River Rd | Property |
| 50. | 1527  | 36582091 | 17440 River Rd | Property |
| 51. | 1528  | 36592601 | 17480 River Rd | Property |
| 52. | 1548  | 36853000 | 17591 River Rd | Property |
| 53. | 1548  | 36853000 | 17591 River Rd | Property |
| 54. | 1529  | 36602011 | 17600 River Rd | Property |
| 55. | 1529  | 36602011 | 17600 River Rd | Property |
| 56. | 1530  | 36665009 | 17640 River Rd | Property |
| 57. | 1530  | 36665009 | 17640 River Rd | Property |
| 58. | 1531  | 36670005 | 17660 River Rd | Property |
| 59. | 1533  | 36703008 | 17700 River Rd | Property |
| 60. | 1533  | 36703008 | 17700 River Rd | Property |
| 61. | 1535  | 36726059 | 17720 River Rd | Property |
| 62. | 1534  | 36709025 | 17740 River Rd | Property |
| 63. | 1534  | 36709025 | 17740 River Rd | Property |
| 64. | 1534  | 36709025 | 17740 River Rd | Property |
| 65. | 269   | 7681098  | 18220 River Rd | Property |
| 66. | 269   | 7681098  | 18220 River Rd | Property |
| 67. | 268   | 7644068  | 18240 River Rd | Property |
| 68. | 268   | 7634044  | 18240 River Rd | Property |
| 69. | 268   | 7634044  | 18240 River Rd | Property |
| 70. | 58628 | 7607002  | 18300 River Rd | Property |
| 71. | 261   | 7592602  | 18400 River Rd | Property |
| 72. | 261   | 7592602  | 18400 River Rd | Property |
| 73. | 261   | 7592602  | 18400 River Rd | Property |
| 74. | 261   | 7592602  | 18400 River Rd | Property |
| 75. | 237   | 7427000  | 18451 River Rd | Property |
| 76. | 237   | 7427000  | 18451 River Rd | Property |
| 77. | 238   | 7428000  | 18471 River Rd | Property |
| 78. | 238   | 7428000  | 18471 River Rd | Property |
| 79. | 259   | 7541074  | 18480 River Rd | Property |
| 80. | 259   | 7541074  | 18480 River Rd | Property |
| 81. | 258   | 7525040  | 18560 River Rd | Property |
| 82. | 241   | 7431000  | 18631 River Rd | Property |
| 83. | 241   | 7431000  | 18631 River Rd | Property |

|      |       |          |                |                    |
|------|-------|----------|----------------|--------------------|
| 84.  | 243   | 7433000  | 18671 River Rd | Property           |
| 85.  | 243   | 7433000  | 18671 River Rd | Property           |
| 86.  | 256   | 7497506  | 18680 River Rd | Property           |
| 87.  | 256   | 7497506  | 18680 River Rd | Property           |
| 88.  | 255   | 7488096  | 18700 River Rd | Property           |
| 89.  | 255   | 7488096  | 18700 River Rd | Property           |
| 90.  | 242   | 7432000  | 18711 River Rd | Property           |
| 91.  | 253   | 7469077  | 18740 River Rd | Property           |
| 92.  | 253   | 7469077  | 18740 River Rd | Property           |
| 93.  | 244   | 7434000  | 18751 River Rd | Property           |
| 94.  | 244   | 7434000  | 18751 River Rd | Property           |
| 95.  | 245   |          | 18831 River Rd | Property           |
| 96.  | 245   |          | 18831 River Rd | Property           |
| 97.  | 252   | 7456068  | 18840 River Rd | Property           |
| 98.  | 252   | 7456068  | 18840 River Rd | Property           |
| 99.  | 246   | 7437000  | 18851 River Rd | Property           |
| 100. | 246   | 7437000  | 18851 River Rd | Property           |
| 101. | 247   | 7438000  | 18871 River Rd | Property           |
| 102. | 247   | 7438000  | 18871 River Rd | Property           |
| 103. | 248   |          | 18911 River Rd | Property           |
| 104. | 248   | 7439000  | 18911 River Rd | Property           |
| 105. | 249   | 7440001  | 18931 River Rd | Property           |
| 106. | 251   | 7443055  | 18960 River Rd | Property           |
| 107. | 250   | 7442000  | 18971 River Rd | Property           |
| 108. | 66557 | 7442000  | 18975 River Rd | Additional Address |
| 109. | 279   | 7781097  | 19000 River Rd | Property           |
| 110. | 280   | 7798009  | 19040 River Rd | Property           |
| 111. | 280   | 7798009  | 19040 River Rd | Property           |
| 112. | 282   | 7801023  | 19080 River Rd | Property           |
| 113. | 282   | 7801023  | 19080 River Rd | Property           |
| 114. | 284   | 7825033  | 19200 River Rd | Property           |
| 115. | 284   | 7825033  | 19200 River Rd | Property           |
| 116. | 284   | 7825033  | 19200 River Rd | Property           |
| 117. | 285   | 7834043  | 19300 River Rd | Property           |
| 118. | 285   | 7834043  | 19300 River Rd | Property           |
| 119. | 286   | 7844053  | 19380 River Rd | Property           |
| 120. | 287   | 7854007  | 19440 River Rd | Property           |
| 121. | 290   | 7863000  | 19500 River Rd | Property           |
| 122. | 289   | 7859062  | 19551 River Rd | Property           |
| 123. | 289   | 7859062  | 19551 River Rd | Property           |
| 124. | 292   | 7865230  | 19740 River Rd | Property           |
| 125. | 292   | 7865230  | 19740 River Rd | Property           |
| 126. | 348   | 11061071 | 21200 River Rd | Property           |

|      |        |          |                 |          |
|------|--------|----------|-----------------|----------|
| 127. | 46637  | 11007001 | 21300 River Rd  | Property |
| 128. | 46637  | 11007001 | 21300 River Rd  | Property |
| 129. | 46638  | 11007002 | 21340 River Rd  | Property |
| 130. | 46638  | 11007002 | 21340 River Rd  | Property |
| 131. | 349    | 11072112 | 21660 River Rd  | Property |
| 132. | 349    | 11072112 | 21660 River Rd  | Property |
| 133. | 346    | 10972006 | 21700 River Rd  | Property |
| 134. | 346    | 10972006 | 21700 River Rd  | Property |
| 135. | 346    | 10972006 | 21700 River Rd  | Property |
| 136. | 277    | 7772009  | 2180 No 8 Rd    | Property |
| 137. | 277    | 7772009  | 2180 No 8 Rd    | Property |
| 138. | 277    | 7772009  | 2180 No 8 Rd    | Property |
| 139. | 277    | 7772009  | 2180 No 8 Rd    | Property |
| 140. | 344    | 10943059 | 21800 River Rd  | Property |
| 141. | 345    | 10960071 | 21840 River Rd  | Property |
| 142. | 345    | 10960071 | 21840 River Rd  | Property |
| 143. | 343    | 10923042 | 21880 River Rd  | Property |
| 144. | 343    | 10923042 | 21880 River Rd  | Property |
| 145. | 342    | 10903022 | 21920 River Rd  | Property |
| 146. | 365    | 11403014 | 22040 River Rd  | Property |
| 147. | 365    | 11403014 | 22040 River Rd  | Property |
| 148. | 364    | 11386402 | 22160 River Rd  | Property |
| 149. | 361    | 11383000 | 22260 River Rd  | Property |
| 150. | 360    | 11351082 | 22280 River Rd  | Property |
| 151. | 360    | 11351082 | 22280 River Rd  | Property |
| 152. | 359    | 11320050 | 22451 Gilley Rd | Property |
| 153. | 358    | 11300019 | 22491 Gilley Rd | Property |
| 154. | 358    | 11300019 | 22491 Gilley Rd | Property |
| 155. | 358    | 11300019 | 22491 Gilley Rd | Property |
| 156. | 357    | 11280099 | 22511 Gilley Rd | Property |
| 157. | 357    | 11280099 | 22511 Gilley Rd | Property |
| 158. | 357    | 11280099 | 22511 Gilley Rd | Property |
| 159. | 357    | 11280099 | 22511 Gilley Rd | Property |
| 160. | 46536  | 11270000 | 22600 River Rd  | Property |
| 161. | 46536  | 11260000 | 22600 River Rd  | Property |
| 162. | 46537  | 11260000 | 22660 River Rd  | Property |
| 163. | 43170  | 11250002 | 22700 River Rd  | Property |
| 164. | 145239 | 11441002 | 23200 River Rd  | Property |
| 165. | 380    | 11439000 | 23220 River Rd  | Property |
| 166. | 51228  | 11438001 | 23260 River Rd  | Property |
| 167. | 51229  | 11438002 | 23280 River Rd  | Property |

EMAIL RECEIVED FROM CIT CLERK'S OFFICE January 10, 2018

Dear Lynda Parsons,

I posed your question to Transportation staff and they replied stating: *"The mailing list I sent you is the number of envelopes that were mailed out - that is correct = 167."* Based on this response, I believe the total number of surveys mailed was 167.

Dovelle

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Dovelle Buie

Manager, Records and Information

City of Richmond - City Clerk's Office

Phone: 604-276-4165



My List: - constructed by going property by property through Assessment BC website to determine if land only, business, or residential property. Yellow highlighting indicates properties not on the City of Richmond list but must use River Road to access their property.

|            |       |            |                          |       |            |       |
|------------|-------|------------|--------------------------|-------|------------|-------|
| No. 7 Road |       |            |                          | 18220 | River Road | house |
| business   | 16020 | River Road | storage yard             | 18240 | River Road | house |
| business   | 16031 | River Road | storage yard             | 18300 | River Road | house |
| business   | 16160 | River Road | business                 | 18360 | River Road | house |
| business   | 16268 | River Road | business                 | 18440 | River Road | house |
|            | 16291 | River Road | house with cedar fence   | 18560 | River Road | house |
|            | 16300 | River Road | house                    | 18620 | River Road | house |
|            | 16500 | River Road | house                    | 18631 | River Road | house |
|            | 16680 | River Road | temple                   | 18671 | River Road | house |
|            | 16700 | River Road | house                    | 18680 | River Road | house |
| business   | 16780 | River Road | trucking business        | 18720 | River Road | house |
|            | 16820 | River Road | house                    | 18740 | River Road | house |
|            | 16860 | River Road | house                    | 18831 | River Road | house |
|            | 16880 | River Road | house                    | 18851 | River Road | house |
|            | 16960 | River Road | house                    | 18871 | River Road | house |
| business   | 17011 | River Road | Tom Mac                  | 18911 | River Road | house |
|            | 17020 | River Road | house                    | 18960 | River Road | house |
|            | 17060 | River Road | house                    | 19000 | River Road | house |
|            | 17160 | River Road | house                    | 19200 | River Road | house |
|            | 17180 | River Road | house                    | 19300 | River Road | house |
|            | 17200 | River Road | house                    | 19380 | River Road | house |
|            | 17260 | River Road | house                    | 19440 | River Road | house |
| business   | 17271 | River Road | cedar business           | 19500 | River Road | house |
|            | 17340 | River Road | house                    | 19740 | River Road | house |
|            | 17480 | River Road | house                    | 21200 | River Road | house |
|            | 17591 | River Road | house-trailer in back    | 21340 | River Road | house |
|            | 17631 | River Road | house                    | 21660 | River Road | house |
|            | 17660 | River Road | house                    | 21700 | River Road | house |
|            | 17700 | River Road | house                    | 21800 | River Road | house |
|            | 17720 | River Road | house                    | 21880 | River Road | house |
| business   | 17740 | River Road | Rabbit River Farms       | 21920 | River Road | house |
| No. 8 Road |       |            |                          | 22040 | River Road | house |
|            | 2180  | No. 8 Road | house                    | 22160 | River Road | house |
|            | 2240  | No. 8 Road | house                    | 22260 | River Road | house |
|            | 2360  | No. 8 Road | house                    | 22600 | River Road | house |
|            | 2420  | No. 8 Road | house                    | 22660 | River Road | house |
| business   | 2455  | No. 8 Road | CN Rail Lulu Island Yard | 22700 | River Road | house |
|            | 2491  | No. 8 Road | house                    | 22760 | River Road | house |
|            | 2571  | No. 8 Road | house                    | 23200 | River Road | house |
|            | 2771  | No. 8 Road | house                    | 23220 | River Road | house |
|            | 2851  | No. 8 Road | house                    | 23260 | River Road | house |
|            |       |            |                          | 23280 | River Road | house |

These properties were determined to be vacant when I attempted to deliver notices.

|          |       |            |                                     |
|----------|-------|------------|-------------------------------------|
| business | 16151 | River Road | storage yard - no mailbox or office |
|          | 17100 | River Road | house                               |
|          | 17360 | River Road | house                               |
|          | 18400 | River Road | house                               |
|          | 18480 | River Road | house                               |
|          | 18840 | River Road | house                               |
|          | 19080 | River Road | house                               |
|          | 18931 | River Road | house                               |
|          | 18700 | River Road | house                               |

To: All Residents/Business Employees who must use River Road to access your property.

In September 2017 many of you received a letter stating that 60% of those given the opportunity to respond to the survey sent out by the City of Richmond opposed the installation of speed humps on River Road. Richmond's Department of Transportation concluded that those who opposed did so based on perception, and so, the City of Richmond has approved the installation of an additional 20 speed humps on River Road bringing the total number of speed humps to 26. The installation is to begin in the spring.

This decision was made without any technical research. There has been no traffic flow, speed or other data collected. This decision was made after consulting with cycling groups.

The Department of Transport's Director Victor Wei has advised that the re-design as speed cushions will allow emergency vehicles to travel down the center of the road and thus avoid the speed cushions and so the response times would not be impacted.

Acting Fire Chief Tim Wilkinson has confirmed that the emergency response vehicles would have to keep to their side of the road as there is not room for oncoming traffic to pull over to allow the emergency vehicle to avoid the speed cushions, and so the response times would be impacted.

**Studies have shown that speed humps impact the response time of an emergency vehicle by up to 10 seconds per speed hump. In an emergency seconds count!**

**A person suffering a heart attack** - According to the American Heart Association, for every second that goes by, heart tissue is lost.

**In a fire, seconds count. Seconds** can mean the difference between residents of our community escaping safely from a fire or having their lives end in tragedy or their property lost.

Speed cushions are designed with cyclists in mind, as speed cushions allow the cyclists to travel down the center of the road to avoid the speed humps.

The re-designed speed cushions will allow the large trucks to travel down the center of the road – no need to worry about the trucks simply crossing over the center line – they will now travel straight down the center of the road.

Studies have shown that roadways that have speed humps installed have less patrol by police, as the officers do not want to experience the discomfort associated with the speed humps. We have asked for additional enforcement to combat illegal activities in our neighborhood including property crimes, instead we will likely receive less.

There are many reasons not to install speed humps, however, the safety aspect is our major concern.

If the installation of speed humps, cushions or other road obstructions are allowed to go ahead our lives, health and property will be in jeopardy.

40% of the respondents to the City of Richmond's original survey were in favour of having speed humps installed, and of course you are entitled to continue to believe that they will serve a useful purpose, and should advise the City of Richmond accordingly.

Residents will be speaking to the City of Richmond Mayor and Councilors on January 29, 2018 asking that the installation be halted. If you wish to speak on this issue on January 29, 2018 please contact the City Clerk's office no later than Wednesday, January 24, 2018. Email -

[cityclerk@richmond.ca](mailto:cityclerk@richmond.ca)