

## **RE: Cyclist hit by a car while riding on the Green Necklace**

Dear Mr. Scholefield,

We are very sorry to hear the incident involving yourself on the Green Necklace at Grand Blvd West that occurred a few days ago. Your concerns about cyclist safety at intersection are understandable. Vehicles not stopping for cyclists is worrying to all of us. We take road safety very seriously and will commence a comprehensive analysis of the traffic operations at this intersection to look at the issue you have described and identify whether there are appropriate improvement measures to be made.

The City of North Vancouver's practices regarding green paint are to only implement it on a case-by-case basis at locations where traffic volumes or physical geometry of the intersection create a high potential for conflict. An example of such a case is the intersection of St. Georges Avenue and E 13th Street. E 13th Street narrows across the intersection, exposing cyclists to an increased potential conflict with vehicles travelling in the same direction, so the City has installed green paint on those crossings. We will be installing more green paint on existing and future crosswalks in intersections such as Chesterfield Avenue at E Esplanade, Lonsdale Avenue at Esplanade, and various lanes and driveways conflicting with designated bike lanes citywide.

Based on staff observations and the experiences of other municipalities, it is recommended that elephant's feet pavement markings and road signs R-111-1 (attached) are used to designate multi-use crosswalks where warranted. There is no R-111-1 sign installed at the signalized intersection for East Keith Road and Grand Blvd West as, according to Transportation Association of Canada (TAC) guidelines as published in the Manual of Uniform Traffic Control Devices for Canada (MUTCDC), crosswalk signs are not to be used at signalized intersections.

Similarly, we cannot consider the option of installing automatic flashing lights at this intersection since flashing lights cannot be combined with a full traffic signal according to MUTCDC and this combination would be a violation of the section of the BC Motor Vehicle Act (MVA) that defines traffic signals. The design and installation of the City's traffic signals and flashing lights has to be done in compliance with MUTCDC and the BC MVA. Flashing lights are a great suggestion for non-signalized intersections and we do use these types of flashers at various intersections on our bike network such as W Keith Road at Jones Avenue and Chesterfield Avenue at W 21st Street. We will be installing many more of these flashers in the near future at locations such as W Keith Road at Forbes Ave, Westview Drive at W 21st Street, at the midblock crosswalk on the 2000 Block of Grand Boulevard, and many other locations.

It is unfortunate to hear the driver of the motor vehicle did not know the meaning of the elephant's feet pavement markings and green paint and we fully agree with you in recommending further driver education. The City is working with our partners at TransLink, HUB and other municipalities in the Lower Mainland to arrive at common design standards for cycling infrastructure, and to have the BC Motor Vehicle Act updated to reflect a wider variety of road users and road signs and marking that have been developed more recently. In the meantime we have been distributing information on the use of elephants feet crossings via our Look-Think-Go campaign, including printed material, a short movie and social media.

Once again, thank you for reaching out to the City with your concerns. The traffic engineering group will be continuing to monitor the effectiveness of the elephant's feet pavement markings and will consider future improvements accordingly, while the transportation planning section will continue to work on developing policies that will assist improving road safety of vulnerable road users (pedestrians and cyclists).

If you have any further questions related to traffic engineering please contact Kliment Kuzmanovski at [kkuzmanovski@cnv.org](mailto:kkuzmanovski@cnv.org), or by phone at 604-998-3458, and for questions related to transportation planning work please contact Daniel Watson at [dwatson@cnv.org](mailto:dwatson@cnv.org), or by phone at 604-982-3905. Thank you again for taking the time to contact us. We very much appreciate all resident input and feedback.

Sincerely,

**Kliment Kuzmanovski, P.Eng., PMP**

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**City of North Vancouver**

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