

THE CORPORATION OF THE
CITY OF WHITE ROCK
CORPORATE REPORT



DATE: October 4, 2021

TO: Mayor and Council

FROM: Jim Gordon, P.Eng., Director, Engineering and Municipal Operations

SUBJECT: Parker Street and Marine Drive Rectangular Rapid Flashing Beacon - Update

RECOMMENDATIONS

THAT Council:

1. Receive the letter “Marine Drive/Parker Street Intersection Proposed Treatment” dated May 7, 2021 from Scott Neuman, P.Eng., General Manager, Engineering, City of Surrey; and
 2. Direct staff to work with the City of Surrey to identify mutually agreed upon traffic safety improvements along Marine Drive between Finlay Street and Stayte Road and to advise Council of the preliminary design details and estimates.
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EXECUTIVE SUMMARY

One of Council’s priorities is to build community excellence that supports a safe and effective transportation system. Council considered the September 28, 2020 Corporate Report attached as Appendix A and directed that:

- a pedestrian controlled crosswalk be installed on Marine Drive at Parker Street,
- a three way stop be installed at Marine Drive and Stayte Street,
- and that 30 km/h signage be installed on Marine Drive near Stevens, Habgood and Keil Streets.

The requested 30 km/h signage is installed; however, the pedestrian controlled crosswalk and three way stop cannot be installed without the cooperation of the City of Surrey as the southern half of the roadway is in Surrey. Surrey staff advised that Surrey would not support the two initiatives.

On February 22, 2021, Council directed sending correspondence to the City of Surrey Council seeking their support for completing the pedestrian controlled crosswalk project, given that the crosswalk which begins in White Rock, ends in Surrey. A letter was sent from the City of White Rock to the City of Surrey, following which, Surrey’s General Manager of Engineering responded as per the letter attached as Appendix B.

The purpose of this report is to present the City of Surrey’s response to the proposed RRFB at Marine Drive and Parker Street and seek Council endorsement to work with the City of Surrey to identify proposed traffic safety improvements along Marine Drive.

PREVIOUS COUNCIL DIRECTION

Motion # & Meeting Date	Motion Details
2021-101 February 22, 2021	<p>THAT Council supports correspondence be sent to the Surrey City Council seeking their support for completing the pedestrian controlled crosswalk project, given that the crosswalk which begins in White Rock, ends in Surrey. The City of White Rock has set aside funding for the project, so there is no financial cost to Surrey.</p> <p style="text-align: right;">CARRIED</p>
2021-100 February 22, 2021	<p>THAT Council agrees to consider a motion that Councillor Trevelyan brought forward at this time as follows:</p> <p>MOTION (Crosswalk at Parker and Marine):</p> <p>Given increased pedestrian and vehicular traffic at the intersection of Parker Street and Marine Drive (near the Washington Avenue Grille and Indigenous Bloom), and given concerns about pedestrian safety, White Rock City Council formally requests the support of the Surrey City Council in completing this pedestrian controlled crosswalk project, given that the crosswalk which begins in White Rock, ends in Surrey. The City of White Rock has set aside funding for the project, so there is no financial cost to Surrey.</p> <p style="text-align: right;">CARRIED</p>
2020-468 September 28, 2020	<p>THAT Council endorses the installation of 30km/hour speed signage in designated areas near on Marine Drive, including Stevens Street, Habgood and Keil Street.</p> <p style="text-align: right;">CARRIED</p>
2020-467 September 28, 2020	<p>THAT Council directs staff to work with the City of Surrey for the installation of a three-way stop sign at Marine Drive and Stayte Road.</p> <p style="text-align: right;">CARRIED</p>
2020-466 September 28, 2020	<p>THAT Council endorsees the installation of a pedestrian controlled crosswalk at Parker Street and Marine Drive.</p> <p style="text-align: right;">CARRIED</p>
2020-465 September 28, 2020	<p>Motion #2020-465It was MOVED and SECONDED THAT Council endorses the installation of one (1) rapid rectangular beacon at Johnston Road and Prospect Avenue (by White Rock Elementary School).</p> <p style="text-align: right;">CARRIED</p>

<p>2020-464 September 28, 2020</p>	<p>THAT Council:</p> <ol style="list-style-type: none"> 1. Direct staff to install an LED in-road, flashing pedestrian crosswalk system on Johnston Road, south of North Bluff Road in 2021; and 2. Direct staff to submit a funding request for \$70,000 in the 2021 Financial Plan for a curb extension at Marine Drive and Parker, and pavement markings along Marine Drive east of Maple Street and that City of Surrey be requested to do the same. <p style="text-align: right;">DEFEATED</p> <p style="text-align: center;">Councillors Chesney, Kristjanson, Trevelyan and Mayor Walker voted in the negative</p>
<p>2020-463 September 28, 2020</p>	<p>THAT Council directs the speed limit from Five (5) corners to North Bluff Road be reduced to 30 km/hr. Note: It was clarified the Transportation Master Plan is not complete as there is a public consultation piece that is still required</p> <p style="text-align: right;">CARRIED</p> <p style="text-align: center;">Councillors Kristjanson and Trevelyan voted in the negative</p>

INTRODUCTION/BACKGROUND

On September 28, 2020, Council directed the installation of a pedestrian controlled crosswalk at Parker Street and Marine Drive and a three way stop at Marine Drive and Stayte Street. As these proposed initiatives are partly located in Surrey, White Rock requires Surrey’s cooperation in facilitating the installations. Surrey is not supportive of the installations for the reasons noted in its letter attached as Appendix B.

At the February 22, 2021 Regular Council Meeting, Council directed that correspondence be sent to Surrey City Council seeking their support for the pedestrian-controlled crosswalk. A letter was sent and although Surrey Council did not respond, the response from the General Manager of Engineering was received and is attached as Appendix B.

The City of Surrey conducted their own analysis following Transportation Canada’s Pedestrian Crossing Control Guide and reviewed the City of White Rock’s consultant’s report (the Consultant). Surrey concurs with the Consultant’s analysis that the existing marked and signed crosswalk treatment is appropriate. Further, Surrey notes that “the existing treatment aligns with treatments at numerous nearby Marine Drive crosswalks” and “lack of consistency with industry-established processes to determine crosswalk treatments can lead to liabilities for both cities.”

The City of Surrey indicated that they would like to work with White Rock to implement solutions that have the best chance of improving traffic safety such as dragon’s teeth pavement markings, speed reader boards, or curb bulges as recommended by the Consultant.

As improvements to Marine Drive cannot be completed without the City of Surrey’s agreement, it is recommended that Council direct staff to work with the City of Surrey to identify mutually agreed upon safety improvements such as dragon’s teeth pavement markings, speed reader boards, or curb bulges along Marine Drive between Stayte Road and Finlay Street. Staff to then report to Council on preliminary designs and estimates for the improvements.

FINANCIAL IMPLICATIONS

Funding of \$50,000 is available in the 2021 Financial Plan for a Pedestrian Controlled Crosswalk at Marine Drive and Parker Street. The cost of pavement markings and a speed monitoring program is estimated at \$10,000.

If curb extensions are proposed, the estimated cost per intersection is \$70K.

LEGAL IMPLICATIONS

The City of White Rock's municipal boundary along Marine Drive between Finlay Street and Stayte Road is at the centre of the Marine Drive Road Right of Way. Therefore, any transportation improvements spanning Marine Drive cannot be completed without the City of Surrey's consent.

ALIGNMENT WITH STRATEGIC PRIORITIES

The recommendations in this report are consistent with Council's Strategic Priorities, specifically the mission to build community excellence that supports a safe and effective transportation system. Additionally, Council's vision of the community feeling safe and secure can be addressed through traffic safety improvements on Marine Drive in partnership with the City of Surrey.

OPTIONS / RISKS / ALTERNATIVES

The following options are available for Council's consideration:

1. Not support safety improvements along Marine Drive. If this option is selected, Marine Drive intersections will remain unchanged.

CONCLUSION

Building community excellence that supports a safe and effective transportation system is a Council strategic priority. Previously, Council endorsed the installation of a pedestrian controlled crosswalk at Parker Street and Marine Drive and supported correspondence to be sent to Surrey City Council seeking their support for a pedestrian-controlled crosswalk.

A letter was sent from the City of White Rock and the City of Surrey responded: Surrey's analysis following industry established processes concluded that the existing marked and signed crosswalk is appropriate and aligns with treatments at numerous nearby Marine Drive crosswalks. Surrey also noted that "lack of consistency with industry-established processes to determine crosswalk treatments can lead to liabilities for both cities."

Surrey indicated they would like to work with White Rock to implement other safety improvements such as dragon's teeth pavement markings, speed reader boards, or curb bulges. Therefore, it is recommended that Council direct staff to work with the City of Surrey to identify mutually agreed upon safety improvements along Marine Drive between Stayte Road and Finlay Street.

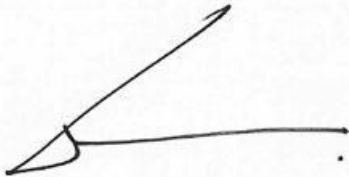
Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Jim Gordon', written over a light grey rectangular background.

Jim Gordon, P.Eng.
Director, Engineering and Municipal Operations

Comments from the Chief Administrative Officer

I concur with the recommendations of this corporate report.

A handwritten signature in black ink, appearing to read 'Guillermo Ferrero', written over a light grey rectangular background.

Guillermo Ferrero
Chief Administrative Officer

Appendix A: September 28, 2020 Corporate Report - Enhanced Crosswalks, Speed and Traffic Analysis (various locations)

Appendix B: Marine and Parker - Surrey RRFB Response