NOTICE OF PUBLIC HEARING – JANUARY 18, 2021

BYLAW 2363: WHITE ROCK ZONING BYLAW, 2012, NO. 2000, AMENDMENT (CD-64 – 1485 FIR STREET) BYLAW, 2020, NO. 2363

PERMIT REF.: MAJOR DEVELOPMENT PERMIT 19-009 / DP 432

CIVIC ADDRESS: 1485 Fir Street

PURPOSE: Bylaw 2363 proposes to rezone the subject property from 'RM-2 Medium Density

Multi-Unit Residential Zone' to 'CD-Comprehensive Development Zone' to allow for the construction of a six-storey 80-unit rental residential building over two (2) levels of underground parking. The property is an existing rental building and the development would be subject to Council's Tenant Relocation Policy. The proposed use, height, and density is consistent with the Town Centre

Transition Land Use Designation in the Official Community Plan.



Documents:

Author	Document	Item #
Director of Planning and Development	Land Use and Planning Committee corporate report	R-1
Services	dated October 19, 2020	
Corporate Administration Department	Minutes – Various Extracts	R-2

Written Submissions:

Author	Date Received	Resident?	Status	Item #
None to date.				

Last revised: 4 January 2021

THE CORPORATION OF THE CITY OF WHITE ROCK

15322 BUENA VISTA AVENUE, WHITE ROCK, B.C. V4B 1Y6

NOTICE OF PUBLIC HEARING MONDAY, JANUARY 18, 2021

NOTICE is hereby given that the Council of the City of White Rock will hold an opportunity for public participation for a Public Hearing on **MONDAY**, **JANUARY 18**, **2021** at **6:00 P.M.** in accordance with the *Local Government Act*. All persons who deem their interest in property is affected by the proposed bylaw/application shall be afforded an opportunity to be heard **via a telephone-in process** or by forwarding written submissions reflecting matters contained in the proposed bylaw/application that is the subject of the Public Hearing. At the Public Hearing, Council will hear and receive submissions from the interested persons in regard to the bylaw/application listed below:

1) BYLAW 2363: White Rock Zoning Bylaw, 2012, No. 2000, Amendment (CD-64 – 1485 Fir Street) Bylaw, 2020, No. 2363
MAJOR DEVELOPMENT PERMIT 19-009 / DP 432
CIVIC ADDRESS: 1485 Fir Street (See Site Map Attached)

PURPOSE: Bylaw 2363 proposes to rezone the subject property from 'RM-2 Medium Density Multi-Unit Residential Zone' to 'CD-Comprehensive Development Zone' to allow for the construction of a six-storey 80-unit rental residential building over two (2) levels of underground parking. The property is an existing rental building and the development would be subject to Council's Tenant Relocation Policy. The proposed use, height, and density is consistent with the Town Centre Transition Land Use Designation in the Official Community Plan.

Further details regarding the subject of the Public Hearings/Public Meetings may be obtained from the City's Planning and Development Services Department at City Hall by contacting 604-541-2136 | planning@whiterockcity.ca.

Electronic Meeting: The Provincial Health Officer has issued orders related to gatherings and events in the province of BC. As such, Public Hearings will be held virtually and will also be live streamed on the City website. To participate in a Public Hearing, please review the options below.

You may participate in the public hearing as follows:



www.whiterockcity.ca

1. Submit written comments to Council:

You can provide your submission (comments or concerns) by email to <u>clerksoffice@whiterockcity.ca</u> or by mail to Mayor and Council, 15322 Buena Vista Avenue, White Rock, BC, V4B 1Y6. The deadline to receive submissions is by **12:00 p.m. on the date of the Public Hearing, January 18, 2021.**

You may forward your submissions by:

- Mailing to White Rock City Hall, 15322 Buena Vista Avenue, White Rock, BC
 V4B 1Y6, or hand delivery by leaving it in the "City Hall Drop Box" to the left outside the front door; or
- Emailing the Mayor and Council at <u>clerksoffice@whiterockcity.ca</u> with the applicable subject line:
 - o PH 2: Bylaw 2363, 1485 Fir Street
- 2. You may register to speak to a Public Hearing item via telephone:

Register to speak by emailing clerksoffice@whiterockcity.ca or calling 604-541-2127.

Registration will be open from 12:00 p.m. to 4:30 p.m. on the date of the Public Hearing, January 18, 2021. Registration will only be available during this time. Once you register, you will be sent an email with further instructions.

Please note the following instructions when you call in:

- You will be put on a hold in a queue for the respective item, and you will be connected when it is your turn to speak. If you hang up during this time, you will lose your place in the queue. You may watch the Council meeting through the City's Live Stream while you are on hold.
- Your comments must be relevant to the application (bylaw and permit) being considered at the Public Hearing
- You will have 5 minutes to speak
- Turn off all audio of the meeting. Note: There is a <u>1-minute delay</u> in the live stream so please listen to the cues given over the phone
- Do not put your phone on speaker phone
- Once you make your comments to Council, the call will end quickly so that the next speaker can join the meeting



If you miss the noted registration period, please watch the live meeting at the following link: https://www.whiterockcity.ca/453/Video-Recording-of-Council-Meetings as there will be an opportunity for you to call in for a limited period of time.

3. If you do not wish to speak or write in but would still like to convey that you are in support or that you are not in support of the Public Hearing item:

You may phone 604-541-2127 to register your support/or that you are not in support of the Public Hearing item. If the call is not answered please leave a voicemail with the call-in information noted below (all four (4) bullet points must be noted). Registration will be open from 12:00 p.m. – 4:30 p.m. on the date of the Public Hearing, January 18, 2021.

When you call-in, please be prepared to provide the following information:

- The public hearing item
- Your first and last name
- Whether you live in the City of White Rock
- Whether you are in support of or not in support of the item

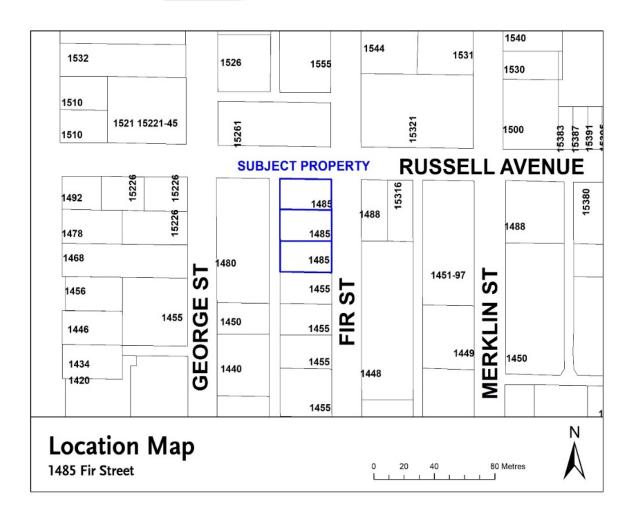
Please Note: Correspondence that is the subject of a Public Hearing, Public Meeting, or other public processes will be included, in its entirety, in the public information package and will form part of the public record. Council shall not receive further submissions from the public or interested persons concerning the bylaw/application after the Public Hearing has been concluded.

The meeting will be streamed live and archived through the City's web-streaming service.

The proposed bylaw and associated reports can be viewed online on the agenda and minutes page of the City website, www.whiterockcity.ca, under Council Agendas from January 5, 2021, until January 18, 2021. If you are unable to access the information online, please contact the Corporate Administration department at 604-541-2212, between the hours of 8:30 a.m. and 4:30 p.m., or leave a voicemail and staff will ensure you have the information made available to you.



SITE MAP FOR BYLAW 2363, 1485 Fir Street



January 5, 2021

Tracey Arthur

Director of Corporate Administration



www.whiterockcity.ca

THE CORPORATION OF THE

CITY OF WHITE ROCK CORPORATE REPORT



DATE: October 19, 2020

TO: Land Use and Planning Committee

FROM: Carl Isaak, Director, Planning and Development Services

SUBJECT: Rezoning and Major Development Permit Application – 1485 Fir Street

(ZON/MJP 19-009)

RECOMMENDATIONS

THAT the Land Use and Planning Committee recommends:

- 1. That Council give first and second readings to "White Rock Zoning Bylaw, 2012, No. 2000, Amendment (CD-64 -1485 Fir Street) Bylaw, 2020, No. 2363 as presented, and direct staff to schedule the required Public Hearing;
- 2. That Council direct staff to resolve the following issues prior to final adoption, if Bylaw No. 2363 is given Third Reading after the Public Hearing:
 - a) Ensure that all engineering requirements and issues, including dedication of a 5.0 metre by 5.0 metre corner cut on the corner of the site at Fir Street and Russell Avenue, intersection improvements including 'watch for pedestrian' signage as well as tactile paving on the northwest and northeast corners of George Lane and Thrift Avenue, and completion of a servicing agreement, are addressed to the satisfaction of the Director of Engineering and Municipal Operations;
 - b) A Tenant Relocation Plan and adoption of a Housing Agreement Bylaw are finalized; and
 - c) The consolidation of existing three lots and the demolition of the existing residential building occurs; and
- 3. That, pending adoption of "White Rock Zoning Bylaw, 2012, No. 2000, Amendment (CD-64 1485 Fir Street) Bylaw, 2020, No. 2363," Council consider issuance of Development Permit No. 432 for 1485 Fir Street.

EXECUTIVE SUMMARY

The Land Use and Planning Committee (LUPC) received a corporate report dated July 8, 2019 from the Director of Planning and Development Services, titled "Initial OCP Amendment Application Report – 1485 Fir Street (19-009 OCP/ZON/MJP)." The application at the time required an increase in gross floor area ratio (or 'FAR') density above what was permitted in the Official Community Plan (OCP) which would have required an OCP amendment and did not provide the number of three-bedroom units (10%) required in the OCP.

Council subsequently directed staff to work with the applicant on a revised application that did not require an OCP amendment. There was also discussion at the LUPC meeting regarding the adequacy of the applicant's Tenant Relocation Plan. A subsequent report dated September 30,

Rezoning and Major Development Permit –1485 Fir Street (ZON/MJP 19-009) Page No. 2

2019 from the Director of Planning and Development Services, titled "Information Report Update and Revised Tenant Relocation Plan – 1485 Fir Street (ZON/MJP 19-009)" was prepared and provided a brief update including the applicant's enhanced Tenant Relocation Plan and an overview of the changes to the form of the development which was revised to not require an OCP amendment and proceeded as a rezoning and major development permit application.

A separate corporate report on proposed revisions to Council Policy 511: Density Bonus / Amenity Contribution and Council Policy 514: Tenant Relocation Policy, is included earlier in the Land Use and Planning Committee agenda and would have an impact on this development application.

The application has been further revised to incorporate changes that follow the endorsement from the Governance and Legislation Committee to the Tenant Relocation Plan, discussed in the sections below. The proposal for 1485 Fir Street now presents a six-storey, 80-unit building, for which all units would be rental units. The rezoning, if approved, would create a Comprehensive Development (CD) zone largely designed to implement the height and density allowed within the Official Community Plan. A major development permit for form and character, energy and water conservation and the reduction of greenhouse gases is also required. Location and ortho photo maps of the subject property are attached as Appendix C.

PREVIOUS COUNCIL DIRECTION

Resolution # and Date	Resolution Details
LUPC July 8, 2019	THAT the Land Use and Planning Committee:
2019-LU/P-022	1. Receives for information the corporate report dated July 8, 2019 from the Director of Planning and Development Services, titled "Initial OCP Amendment Application Report- 1485 Fir Street (19-009 OCP/ZON/MJP);" and
	2. Recommends that Council refuse the OCP amendment application, and direct staff to work with the applicant on a revised rezoning and Major Development Permit application, for a secured rental housing development that includes a reduced FAR (2. 8 gross floor area ratio consistent with the OCP), and amended building and site design.
LUPC September 30, 2019 2019-LU/P-025	THAT the Land Use and Planning Committee refers the report back to staff for a revision that permits existing tenants to return to the building after construction at the same rent they are currently paying, subject to the per annum increases permitted by the province; and
	THAT the proposed Community Amenity Contributions (CACs) be reduced further in recognition for current tenants being able to keep their current rent amounts.
2019-LU/P-026	THAT the Land Use and Planning Committee receives for information the corporate report dated September 30, 2019 from the Director of Planning and Development Services, titled "Information Report Update and Revised Tenant Relocation Plan – 1485 Fir Street (ZON/MJP 19-009)."

INTRODUCTION/BACKGROUND

White Rock Official Community Plan 2017, No. 2220 (OCP) designates the subject property as 'Town Centre Transition', characterized by residential uses that provide a gradual height transition between the Town Centre area and surrounding lower density single-family neighbourhoods. Building heights in the Town Centre Transition area are encouraged to develop within the range presented in Figure 10 of the OCP. For the subject site, this is shown as a continuum between 18 storeys at North Bluff Road and 6 storeys at Thrift Avenue, suggesting that between ~6-10 storeys would be a supportable transitionary height at this location.

Under OCP Policy 8.2.3, properties in the Town Centre Transition area including 1485 Fir Street, are identified as being eligible for additional density (up to 40% above the base density) where at least half this additional floor area is dedicated to and secured as residential rental units. The base density for this property is 2.0 FAR, therefore the total maximum density permitted, including the rental bonus density, is 2.8 FAR, of which 0.4 FAR would need to be comprised of rental units. There is no additional bonus available for projects that consist entirely of rental units. Policy 11.2.1(f) requires that a minimum one-to-one replacement of existing rental units be provided when an existing rental building is proposed for redevelopment, with an average unit size of the replacement units at least 80% of the units being replaced. The proposal for 1485 Fir Street would consist of a six-storey, 80-unit building, for which all units would be rental units; the size and number of units is sufficient to satisfy the replacement requirements of the OCP.

The development is subject to a Major Development Permit being within the 'Multi-Family' Development Permit Area (DPA). The DPA Guidelines, outlined in Section 22.6 of the OCP have been applied to the proposal to ensure the form and character of the development fits within the established character of the neighbourhood. The project has been reviewed by City staff and the City's Advisory Design Panel. Staff believe the rezoning to be consistent with the applicable policies of the OCP and the City's Multi-Family DPA Guidelines. The following sections give greater merit to the factors considered in evaluating this proposal.

ANALYSIS

Current Zoning and Land Use Context

The subject property is located at 1485 Fir Street, on the corner of Fir Street and Russell Avenue (see Appendix C for Location Map and Ortho Photo). The property is occupied by a 25-unit rental apartment building ("The Firs;" building address of 1475 Fir Street) which was constructed in 1965. The existing building is located on three separate parcels and straddles the shared property lines. The subject properties are currently zoned 'RM-2 Medium Density Multi-Unit Residential Zone', which permits townhouse or apartment complexes with a 10.7 metre (35.1 feet) maximum height.

The subject site is surrounded by a mix of commercial, institutional and residential uses. To the west across a lane is St. John's Presbyterian Church and Daycare Centre, to the north across Russell Avenue is a three storey office building (Russell Professional Building), and to the south and east are existing multi-unit residential buildings (one storey building on the east side of Fir Street, and three storey buildings to the south).

Previous Design Proposals

The initial report titled "Initial OCP Amendment Application Report- 1485 Fir Street (19-009 OCP/ZON/MJP);" on July 8, 2019 to the Land Use and Planning Committee (see Appendix D) included an overview of a new development application submitted on May 9, 2019, for a proposed development with a total of 84 rental residential units in a six (6) storey building. The proposed density for the apartment site exceeded the OCP maximum density by 0.53 FAR (3.23)

Rezoning and Major Development Permit –1485 Fir Street (ZON/MJP 19-009) Page No. 4

FAR proposed; 2.8 FAR allowed). Council subsequently directed staff to work with the applicant on a revised application that did not require an OCP amendment (i.e. that did not exceed the maximum density in the OCP).

Following Council's direction, the applicant submitted drawings for the rezoning and development permit application on August 15, 2019. An additional report on September 30, 2019 confirmed that the new proposal did not exceed the maximum density allowed in the OCP and therefore did not require an OCP amendment. The major changes that were proposed included:

- Reducing the amount of floor area density and increasing the number of three-bedroom units so that an OCP amendment is no longer necessary;
- Building massing was addressed by recessing the fifth and sixth storeys of the building to reduce the total floor area and the visual impact of the building height;
- Lot coverage was decreased to below 50%;
- Balconies were added to the homes along Fir Street; and
- The outdoor play area was relocated to the front of the building along Fir Street instead of in the rear along George Lane.

Table 1 below provides a summary of changes to the site statistics from the two previous proposals, in comparison to the current proposal. Design changes that have occurred following receipt of the last information report will be discussed in the sections that follow. Of note, there have been no changes to the number of units or building height and only minor reductions to lot coverage and floor area. Parking has been further reduced to 108 spaces, representing a 10% reduction to the required 120 spaces.

Table 1: Comparison of Original Development Proposal Statistics, Second Revised Proposal, and Current Proposal

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	Original Proposal	Revised Proposal	Current Proposal
	(May 9, 2019)	(August 15, 2019)	(October 19, 2020)
Number of Units	84 (all secured rental)	80 (all secured rental)	80 (all secured rental)
Gross Floor Area	$6,586.9 \text{ m}^2$	5,706.7 m ²	$5,700 \text{ m}^2$
	$(70,900.4 \text{ ft}^2)$	$(61,426.8 \text{ ft}^2)$	$(61,356.85 \text{ ft}^2)$
Floor Area Ratio (Gross)	3.23	2.8	2.8
Lot Coverage	56%	49.9%	48.7%
Height (to top of roof)	Six storeys	Six storeys	Six storeys
	(18.9 metres)	(18.9 metres)	(18.9 metres)
Parking Spaces	115 (1.37 per unit)	112 (1.4 per unit)	108 (1.35 per unit)

Current Proposal

The current development proposal would include a total of 80 units within a six-storey residential rental building. Unit sizes proposed range between $420 \, \mathrm{ft^2} - 520 \, \mathrm{ft^2}$ for a studio, 540 ft²-625 ft² for a one-bedroom, 680 ft²-990 ft² for a two-bedroom, and 980 ft²-1010 ft² for a three-bedroom unit. It is important to note that the proposal now conforms to various elements of the OCP's "Family-Friendly" housing policies, with 40 percent of the units containing either two or three bedrooms (32 units) and 12.5 percent of the units having three bedrooms (10 units).

Much of the design reflects the proposal in the information report presented to the LUPC from September 30, 2019 included as Appendix E. The major changes reflected in the current proposal pertain to the location of the parkade access which has been relocated to the middle of the site along George Lane, and a slight change in the configuration of the loading bay (see Figure 1). Access through an internal corridor has also been provided from the loading bay to the main elevator, so residents who are moving can easily access the building. A revision in the type of

play structure proposed in the communal courtyard area has also been accommodated in order to provide a more naturalized feel to the space with a 'tree house' structure instead of a more traditional playset; this latter revision stems from the feedback of the Advisory Design Panel. The revised parkade access location accommodates more green space on the south end of the site to provide a buffer between the proposed development and the existing property to the south.

Figure 1: Site Plan Comparison between September 30, 2019 version and Current Proposal Lane Coloured concrete Apartment Building Play structure 2.0m Sicewalk SITE AND TREE PLAN Outline of underground parkade Natural stone boulders Log Steppers in Wood Engineered Fiba

1) SITE AND TREE PLAN

Play structure

Public Information Meeting and Public Feedback

The applicant (Billard Architecture) held a public information meeting (PIM) on December 12, 2019, at ThirdSpace Community Café, Unit 1 - 1381 George Street) from 5:30 p.m. - 7:00 p.m. Approximately five-hundred and fifty (550) letters were circulated notifying owners within 100 metres of the subject property of the proposal. The meeting was also advertised in consecutive publications of the Peace Arch News in advance of the PIM. Appendix F to this report includes the PIM sign-in sheet, completed comment forms, and PIM summary submitted by the applicant. There was a total of 25 paper feedback forms submitted and 11 emails written to staff pertaining to the proposal. A total of 19 of the respondents were in favor of the application, 12 were in opposition of the proposal, and 2 were undecided about the proposal.

Support for the proposal was outlined through comments relating to:

- The rental aspect of the project;
- Elevators in the proposed building helping tenants/visitors to overcome mobility issues;
- Financial issues with maintaining the existing building and requirement for higher density on the site in order to meet the costs of owning the building; and
- The benefit that a new building and amenity space would provide to existing and new tenants as well as the surrounding neighbourhood considering the existing building is 60 years old.

Major concerns that were brought up during the meeting included the following:

- Compromised views for existing residents with the increase in building height;
- Several comments related to the increase in traffic congestion related to the proposed development and how City infrastructure will handle this;
- Not enough greenspace proposed on the site;
- Concerns with the proposed architectural style of the building;
- Concern expressed by existing building residents about the loss of their homes;
- Rental rates being too high to afford; and
- Many of the existing tenants being elderly and it being difficult for them to find alternative housing at an affordable rate.

Planning Review

As noted, the original proposal has undergone a series of revisions to address early concerns expressed by Council as well as feedback received through the PIM. The design has also been modified in response to technical issues identified by City staff and feedback received from the City's Advisory Design Panel (ADP). The project is now consistent with the OCP's Town Centre Transition policies. These policies contemplate development in the form of multi-unit residential buildings transitioning in height from 18 storeys at North Bluff Road down to six (6) storeys at Thrift Avenue. The following sections describe details of the proposal and key land use planning considerations made in preparing the staff recommendation outlined in this report.

The proposed multifamily building is rectangular in shape and is situated in the middle of the subject site. Building setbacks are greatest along Russell Avenue (north) and the residential lands to the south, being approximately 5 metres (16 feet) in width. Setbacks along Fir Street (east) and George Lane (west) are slightly less at approximately 3 metres (10 feet) in width. The lands within the yard setbacks are to be programmed with a mixture of trees and shrubs to ensure

adequate privacy and screening for neighbouring residents, and to help create a pleasant interface between the building and pedestrian realm / streetscape.

Since the original submission, the massing of the building has been stepped back on the fifth and sixth levels to reduce the impact of the structure as experienced at the ground level (i.e., opening up pedestrian views to the sky) while also reducing the impact of shadows on abutting properties. Further, the project has been enhanced with the creation of an outdoor amenity space on the east portion of the site, formerly situated off the laneway along the western side of the property. This amenity space offers an open, publicly-visible, play area for young children and a space for residents to enjoy the outdoors; this design enhancement is becoming increasingly important in light of the on-going COVID-19 pandemic and efforts to support social distancing while enabling access to private open-air green spaces. Finally, access to the parkade, space for loading, and a space for garbage and recycling pick-up, has been situated off of George Lane, being the western limit of the property. This design helps lessen breaks in the pedestrian realm (sidewalk) while helping to "hide" the operational needs of the project.

Table 2 below provides a comparison of the existing and proposed zoning standards tied to the property and project. As noted, the CD Zone is largely intended to implement the height and density permissions contemplated in the OCP.

Table 2: Existing Zoning Provisions versus Proposed Zoning

Existing Zoning Provisions: RM-2 Medium Density Multi-Unit Residential	Proposed Zoning Provisions: CD 64 - Comprehensive Development Zone	
Permitted Uses	Permitted Uses	
Townhouse or apartment complexes with densities not exceeding 50 units per acre	Multi-unit residential use with accessory home occupation use	
Number of Dwelling Units	Number of Dwelling Units	
25 units (50 units / 0.4 hectares) Existing Lot Area: 2,036 m ²	80 dwelling units (10 three-bedroom units, 22 two-bedroom units, 41 one-bedroom units, and 7 studio units)	
Minimum Lot Requirements	Lot Dimensions	
Lot Width: 18.0 m (59.04 ft)	Lot Width: 34.48 m (113.12 ft)	
Lot Depth: 30.5 m (100.4 ft)	Lot Depth (averaged): 59.04 m (193.69 ft)	
Lot Area: 742.0 m ² (7,986.82 ft ²)	Lot Area: 2,036 m ² (21,917 ft ²)	
Lot Coverage	Lot Coverage	
45%	48.7%	
916 m ² (9,962.9 ft ²)	991 m ² (10,667 ft ²)	
Gross Floor Area	Gross Floor Area	
1.1 times the lot area	2.8 times the lot area	
2,240 m ² (24,109 ft ²)	5,700 m ² (61,357 ft ²)	
Building Height	Building Height	
10.7 m (35.1 ft) for principal buildings	Six Storeys – 18.9 metres to top of parapet measured from average natural grade (62 feet) Geodetic height: 126.49 metres top of parapet and 129.2 metres top of elevator shaft	

Minimum Setback	Setback
Front Lot Line: 6 m (19.68 ft)	Front Lot Line: 3.47 m (11.38 ft)
Rear Lot Line: 6 m (19.68 ft)	Rear Lot Line: 3.08m (10.1 ft)
Interior Side Lot Line: 5.0 m (16.4 ft)	Interior Side Lot Line: 5.25 m (17.22 ft)
Exterior Side Lot Line: 3.8 m (12.47 ft)	Exterior Side Lot Line: 5.05 m (16.57 ft)

Public Realm and Streetscape Improvements

The project includes short-term bicycle parking at the pedestrian entrance and an extended sidewalk / queuing space at the corner of Russell Avenue and Fir Street. These measures lessen the need for private automobile use while supporting improved overall pedestrian safety, respectively. Further, plantings are proposed along the sidewalk to, over time, support the growth of a tree canopy along streets. These measures support the objectives and policies of Section 13.1 of the OCP as they relate to "Transportation + Mobility".

The dedication of land has been sought by the City's Engineering and Operations Department to enable the creation of improvements to the City's boulevard (e.g., additional on-street parking, sidewalks, street tree planting, etc.) thereby contributing to a more "complete" street. Efforts to design streets for all users can reduce collision rates (particularly for vulnerable road users, such as pedestrians and cyclists), better support adjacent land uses, support shifts to sustainable transportation methods of travel (walking, cycling, and transit), and improve the quality of the street as a positive space that is a destination and thoroughfare where residents, visitors, and passersby can feel safe.

Multi-Family DPA Guidelines

The applicant has submitted a response to the Multi-Family Development Permit Area Guidelines, which are applicable to the proposal pursuant to OCP Policy 22.1. The response to the guidelines is attached as Appendix G. Staff consider the submitted response to be in conformance with the Development Permit Guidelines. Figure 2 below provides a rendering of the current proposal, the form and character of which remains largely the same as the previous proposal considered in the report dated September 30, 2019.



Figure 2: Rendering of the Proposal from the corner of Russell Avenue and Fir Street Looking Southwest

The applicant has adequately identified how the proposed development meets the development permit guidelines by providing the following key aspects:

- a) A transition from high-rise buildings in the Town Center neighbourhood with much of the density located on the first to fourth level. The upper levels are then recessed back on all four sides of the building to reduce shadow and view impacts on neighbouring sites.
- b) Repetitive architectural details continue around all elevations of the building to create visual interest at all angles. The front entrance is clearly indicated with linear framework to create a vibrant space for residents and pedestrians to gather and connect in a safe, comfortable environment that is fully accessible with an integrated gradual access from the sidewalk.
- c) Natural materials will be used on the building's exterior including brick, exposed red cedar, fiber cement and natural metals such as aluminum. Natural tones are incorporated into the project to reflect the natural landscape with one dominate accent colour.
- d) The public realm will be improved by providing sidewalks and a boulevard that is 2m wide. An extra wide front entrance pathway is provided for bicycles, wheelchairs and scooters as well as a curb let-down at the intersection. Planting along the street fronting property lines will be provided to deter pedestrians from accessing the property on the grass and provide privacy from private patios that face the street.
- e) A light-coloured roof that is low in albedo will be used to reduce heat and energy efficient light fixtures will be used to conserve energy. Water efficient plumbing fixtures along with an abundance of zero-irrigation landscaping will be used to conserve water. A stormwater management plan will be set in place to alleviate heavy flooding from rainfall due to climate change.

Advisory Design Panel Review

During the Advisory Design Panel (ADP) meeting on July 21, 2020, the panel recommended that the application for the development proposal at 1485 Fir Street be referred to Council once the applicant had the opportunity to consider comments pertaining to the following items (see Appendix H for related ADP meeting minutes):

- a) Stormwater management plan must go to the Engineering Department efforts to minimize the amount of stormwater going to the storm system;

 Design Response: The stormwater is managed in a combined strategy between the civil and landscape designs. Raised planter beds are provided with soil to absorb water for uptake by the plant material. The excess water is collected in drains that connect to a storage tank located inside the parkade. The stormwater tank is sized so as to retain water and slowly release this water into the municipal storm sewer.
- b) Rooftop to be designed to reduce solar gain;

 Design Response: It was confirmed that the roof would be light coloured and low albedo to reduce heat.
- c) Efforts to increase the number of electrical charging stations

 Design Response: The addition of 12 electrical charging stations was incorporated into the design of the parkade.

Rezoning and Major Development Permit –1485 Fir Street (ZON/MJP 19-009) Page No. 10

- d) Efforts to increase the number of accessible parking spaces

 Design Response: One more accessible parking space was incorporated into the design of
 the parkade for a total of three parking spaces
- e) Design of the children's play space naturalization of the space Design Response: The playground was naturalized by using a form inspired by a tree house with earth toned materials and wood grain panels. Feature boulders were also introduced to blend the playground to the surrounding landscape treatment.

Staff believe the applicant has provided a satisfactory response to the comments noted above.

Tree Management

The Arborist Report prepared by Woodridge Tree Consulting Arborists Ltd. identifies that a total of three (3) "protected trees", being those subject to City of White Rock Tree Management Bylaw, 2008, No. 1831, within the site area. One of the trees is a City tree and the other two are off-site trees. The Report recommends that all trees be retained as they are in good condition.

City staff have reviewed the recommendations of the Project Arborist and are comfortable with their retention subject to the posting of securities (i.e., \$9,500) for the three (3) offsite trees as required by the Tree Management Bylaw. Twenty-seven (27) trees are proposed as part of the development. Appendix B includes the proposed landscape plan which will be further reviewed upon receipt of an application for a Tree Management Permit (TMP), likely to accompany a future request for demolition of the existing building.

Traffic Study Review

The applicant has submitted a Traffic Study that analyses existing traffic volumes at the intersection of Fir Street and Russell Avenue. The peak traffic conditions (weekday morning and afternoon hours) for four different time frames – 2019 (existing), 2022 (full build-out), 2027 (5 years after build-out), and 2045 (the end of future timeframe for the White Rock OCP). A summary of the expected trip generation is shown in Table 3: Daily Trip Generation Statistics below:

Table 4: Daily Trip Generation Statistics

Peak Periods	Inbound Traffic	Outbound Traffic
Morning Hours: 8:00 a.m. to 9:00 a.m.	8 (28%)	21 (72%)
Afternoon Hours: 3:00 p.m. to 4:00 p.m.	22 (61%)	14 (39%)

The proposed development is estimated to add a total of 21 additional trips in the morning and 26 additional trips in the evening, which takes the total number from each category above (29 and 36 inbound and outbound trips respectively) and subtracts the number of existing trips made by residents in the current building. No major traffic issues are expected along this length of Russell Avenue and Fir Street. No major intersection improvements are proposed as a result of the study, however, additional 'watch for pedestrian' signage is suggested at the corner of George Lane and Thrift Avenue as well as tactile paving on the northwest and northeast corners of this intersection. The traffic study is attached as Appendix I.

Parking Standards and Requested Variance

The total number of required parking spaces for the proposed development equates to 120 spaces. A total of 96 spaces would be provided for residents and 24 parking spaces for visitors, totalling 108 spaces. This would be a 10% total reduction to the requirements of the Zoning Bylaw. CTS Traffic Consultants analyzed the peak parking demand using the Institute of

Transportation Engineers (ITE) Parking Generation Manual 5th Edition. Using representational data in the mid-rise multi-family category, the consultants estimated that 80 dwelling units would require 1.31 spaces per dwelling unit, or a total of 105 spaces to meet the peak average demand. The 108 spaces proposed for the development exceeds the estimated peak travel demand by three spaces. To supplement the request for a 10% parking variance, residents would be provided with a \$100.00 compass card to encourage the use of public transportation, with several routes located in close proximity to the development; the nine (9) routes include the 321, 345, 351, 354, 361, 362, 363, 375, and 531.

Further to the information provided above, under Zoning Bylaw No. 2000, a maximum of 40% of the stalls can be provided as small car spaces. The development is proposing a total of 33 small car spaces, equivalent to 30% of the total spaces. A total of two handicapped spaces are required as part of the proposed development. A total of three handicapped spaces will be provided, all located near the elevator. Electric vehicle (EV) charging is required as per Zoning Bylaw No. 2000, with a requirement of one charging station per every 10 parking spaces. The development proposes a total of 36 EV stations, significantly over the 18-space requirement. In consideration of the recommendations of the parking analysis prepared by CTS Traffic Consultants and the information noted above, City staff are supportive of the requested variance to parking.

Tenant Relocation Plan

In the original Tenant Relocation Plan, the applicant proposed to give the option to existing tenants to return to the new building at rents that would be 10% below the market rent that was being charged at that time for other similar units, which is consistent with the City's Tenant Relocation Policy No: 514. Due to concerns that were raised during the discussion at LUPC regarding the large increase that even 10% below market rent would be for existing tenants, the applicant then offered to reduce the rents charged to returning tenants to 20% below projected market rent for the building, which was estimated at \$2.80 per square foot. The rents at this rate for returning residents would have been \$2.24 per square foot, equating to:

- \$1,232 for an average size (550 square foot) one-bedroom unit
- \$1,859 for an average size (830 square foot) two-bedroom unit

Since this approach was discussed the City's Governance and Legislation Committee has advanced further discussions regarding potential amendments to Policy No. 514. These amendments were presented in a report to the Committee on January 27, 2020 titled "Options for Tenant Assistance During Redevelopment and Renovation". Stemming from this meeting, the developer has agreed to revise the Tenant Relocation Plan further to align with the draft amendments as presented in the noted report.

Per the draft policy amendments, for existing tenants compensation would be provided on a sliding scale dependent on the length of tenancy (number of years) of the resident. For example, someone who has lived in the building for 10 years and is currently paying \$1,540 for a one-bedroom unit would receive \$36,960 to be used towards alternative housing costs (i.e., 24 months times the monthly rent rate). Note that at the time of preparing this report alternative mechanisms to control the disposition of monies to tenants (i.e. via an annuity or Guaranteed Investment Fund or alternative) are under review and not yet solidified by way of amendments to the policy, and are discussed further in a previous corporate report on this LUPC agenda. That said, there exist opportunities to implement such controls by way of a Housing Agreement Bylaw if Council directs staff to further advance the review of this proposal.

For those who choose to move back into the building, the developer has also agreed to follow the recommendations of the January 27, 2020 report by significantly reducing the rate of the initial rent for returning tenants. The rental rates in the new building would be in accordance with the table below, outlining a rate between 21-30% below market depending on the length of tenancy.

Table 3: Length of Tenancy and Application Rent Reduction

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Length of Tenancy	% Below Market Rent
(Years)	
1	21%
2	22%
3	23%
4	24%
5	25%
6	26%
7	27%
8	28%
9	29%
10 or more	30%

Based on a market rental rate of \$2.80 per square foot, the rents for returning residents at the rates identified above would equate to:

- Between \$1,078 (30%) and 1,216 (21%) for a one-bedroom unit (550 square foot); and
- Between \$1,627 (30%) and \$1,835 (21%) for two-bedroom unit (830 square foot)

These rents would be inclusive of a parking space and hot water, and following occupancy the owner would be permitted to increase rents in accordance with the annual increases regulated by the Residential Tenancy Branch. Finally, if a tenant did not opt to move back into the building, this unit would be available to a new tenant at a 10% reduced rental rate which would be formalized in the Housing Agreement Bylaw. Please see the financial section below for a discussion of how the Community Amenity Contribution could be reduced or waived to support the rental compensation, rent reduction, and reduced 10% rental rate if a tenant does not opt to move back into the building.

Amenity Contribution

Policy 511 provides Council with the opportunity to consider waiving all or a portion of the applicable amenity contribution for developments that provide either affordable (non-market) or market rental developments, recognizing that these developments offer a needed form of housing which is in itself a form of amenity to the community. The target contribution rate for properties in the 'Town Centre Transition' land use designation is a rate of \$430 per square metre over 1.5 FAR/gross floor area ratio as per the recommendations in the Governance and Legislation Committee Report dated January 27, 2020 (and discussed in the separate corporate report on this Land Use and Planning Committee agenda). The expectation would be that the full contribution could be reduced through the provision of housing for displaced tenants as well as the whole development being offered as purpose-built rental housing. Staff are supportive of this approach based on the additional compensation and rate of below market rent proposed for returning tenants as identified above.

Housing Agreement

The Housing Agreement Bylaw is the formal binding agreement between the Developer and the City that regulates and secures the rental rates based on the recommendations and discussion provided above. The Housing Agreement will be finalized pending the completion of of third

reading of the associated bylaw. All 80 residential units would be secured as rental in perpetuity through the Housing Agreement Bylaw. Additional controls tied to the disposition of monies to support tenant relocation may also be incorporated into the terms of a future agreement.

FINANCIAL IMPLICATIONS

The Rezoning and Major Development Permit, if approved, will not result in any additional costs to the City. Development cost charges will apply to the redevelopment.

Previously and in accordance with existing Council Policy 511: 'Density Bonus / Amenity Contribution', a community amenity contribution of \$922,000 would have been anticipated based on the target rates for the Town Centre (this site is in close proximity to the Town Centre and a similar target rate was considered appropriate). This rate would be increased under the proposed changes considered by the Governance and Legislation Committee report submitted on January 27, 2020 titled "Options for Tenant Assistance During Redevelopment and Renovation", to a rate of \$430 square foot over 1.5 FAR.

As the project proposed a FAR of 2.8, the total contribution would equate to \$1,137,780 (i.e., Additional floor area from 1.5 to 2.8 {[lot area x 2.8] – [lot area x 1.5]} = 2,646 m² x \$430). The proposed changes to Policy 511 would establish a further reduction (up to 50%) of an applicable amenity contribution as the housing would be provided to displaced tenants in accordance with the Tenant Relocation Policy (i.e. compensation being provided to tenants and reduced rents are available), and where the initial rents for rental replacement units where the tenants are not returning are 10% below market and available for the general public. Council Policy 511 currently allows a reduction of up to 50% of an applicable amenity contribution for secured market rental floor space, which would amount to \$568,873 and could be further waived up to 100%.

LEGAL IMPLICATIONS

A Housing Agreement Bylaw would be prepared for Council's consideration, based on the applicable provisions in Council Policy 511: Density Bonus / Amenity Contribution and Council Policy 514: Tenant Relocation, as directed by Council. A draft of this Housing Agreement Bylaw would be made available as part of the materials available prior to the Public Hearing.

COMMUNICATION AND COMMUNITY ENGAGEMENT IMPLICATIONS

This application has received a Public Information Meeting, and if Council provides 1st and 2nd reading to the draft zoning amendment bylaw, the public would have an opportunity to comment on this application via a Public Hearing.

INTERDEPARTMENTAL INVOLVEMENT/IMPLICATIONS

The Rezoning and Major Development Permit applications were circulated to internal City departments and comments requiring a response / resolution by the proponent have been addressed.

CLIMATE CHANGE IMPLICATIONS

The application will enable the intensification of the 'Town Centre Transition' designation, thereby lessening the demand for outward sprawl otherwise necessary to accommodate growth. The applicant has also proposed several initiatives to address climate change, which include the following:

Rezoning and Major Development Permit –1485 Fir Street (ZON/MJP 19-009) Page No. 14

- Water, electric and gas will be individually metered to increase self-imposed conservation.
- Landscaping includes a variety of permeable surface areas and decreases consumption of irrigation water by the use of native, drought resistant planting.
- Lighting and plumbing fixtures to be energy/water efficient as well as the provision of Energy Star® rated appliances.
- High efficiency windows and doors with effective blinds will be preinstalled.
- Materials used in construction or finishing such as cabinets and floors will be made from renewable resources and sourced locally where possible
- Flooring, paint and other finishes will be non-toxic with low volatile organic compounds (VOCs)

ALIGNMENT WITH STRATEGIC PRIORITIES

The proposal is generally aligned with the Corporate Vision established as part of Council's Strategic Priorities, particularly with respect to supporting a community where people can live, work and play in an enjoyable atmosphere.

OPTIONS / RISKS / ALTERNATIVES

As an alternative to the staff recommendation provided at the outset of this corporate report (to move the application forward to Public Hearing), Council may alternately:

- 1. Reject "White Rock Zoning Bylaw, 2012, No. 2000, Amendment (CD-64 1485 Fir Street), 2020, No. 2363" and Development Permit No. 432; or
- 2. Defer consideration of "White Rock Zoning Bylaw, 2012, No. 2000, Amendment (CD-64 1485 Fir Street), 2020, No. 2363" and Development Permit No. 432 pending further information to be identified.

Staff recommend proceeding with the application to Public Hearing, which is incorporated into the recommendations of this corporate report.

CONCLUSION

The proposal for an 80-unit rental building at 1485 Fir Street is consistent with the objectives and policies of the 'Town Centre Transition' OCP land use designation and Development Permit Area Guidelines. Staff consider the proposed changes to the six-storey multi-unit residential building as improvements to the design and its impact on the surrounding neighbourhood from the original OCP amendment proposal, and have brought forward a draft Zoning Amendment Bylaw and draft Development Permit to move the application forward to a Public Hearing. The Tenant Relocation Plan requirements of the proposal would provide additional compensation and reduced rental rates outlining an additional benefit to those residents impacted by the redevelopment proposal. The proposed variance to parking is minor and supported by a rigorous analysis by the consultant. Staff recommend that the Zoning Amendment Bylaw be given first

Rezoning and Major Development Permit –1485 Fir Street (ZON/MJP 19-009) Page No. 15

and second reading, and that a Public Hearing be scheduled to receive additional input from the community on the proposal.

Respectfully submitted,

Carl Jack

Carl Isaak, MCIP, RPP.

Director of Planning and Development Services

Comments from the Chief Administrative Officer

I concur with the recommendations of this corporate report.

Guillermo Ferrero

Chief Administrative Officer

Appendix A: Draft Zoning Amendment Bylaw No. 2363

Appendix B: Draft Development Permit No. 432

Appendix C: Location and Ortho Photo Maps

Appendix D: LUPC Report "Initial OCP Amendment Application Report- 1485 Fir Street (19-

009 OCP/ZON/MJP)" dated July 8, 2019

Appendix E: LUPC Report "Information Report Update and Revised Tenant Relocation Plan

1485 Fir Street (ZON/MJP 19-009)" dated September 30, 2019

Appendix F: Public Information Meeting Sign-in Sheet, Comment Forms, and Summary

Appendix G: DPA Guidelines Response Table Appendix H: ADP Minutes dated July 21, 2020

Appendix I: CTS Traffic Study dated November 25, 2019

APPENDIX A

Draft Zoning Amendment Bylaw No. 2363

(Attached Separately)

The Corporation of the CITY OF WHITE ROCK BYLAW No. 2363



A Bylaw to amend the "White Rock Zoning Bylaw, 2012, No. 2000" as amended

The CITY COUNCIL of the Corporation of the City of White Rock in open meeting assembled ENACTS as follows:

1. THAT Schedule C of the *White Rock Zoning Bylaw*, 2012, *No.* 2000 as amended is further amended by rezoning the following lands:

Lot 16 Section 11 Township 1 New Westminster District Plan 15362 PID: 001-331-931 (1485 Fir Street)

Lot 17 Section 11 Township 1 New Westminster District Plan 15362 PID: 001-331-965 (1485 Fir Street)

Lot 18 Section 11 Township 1 New Westminster District Plan 15362 PID: 001-331-981 (1485 Fir Street)

as shown on Schedule "1" attached hereto, from the 'RM-2 Medium Density Multi-Unit Residential Zone' to 'CD-64 Comprehensive Development Zone (1485 Fir Street).'

- 2. THAT White Rock Zoning Bylaw, 2012, No. 2000 as amended is further amended:
 - (1) by adding to the Table of Contents for 'Schedule B (Comprehensive Development Zones)', Section 7.64 CD-64 Comprehensive Development Zone';
 - (2) by adding the attached Schedule "2" to 'Schedule B (Comprehensive Development Zones)' Section 7.64 CD-64 Comprehensive Development Zone'.
- 3. This bylaw may be cited for all purposes as "White Rock Zoning Bylaw, 2012, No. 2000, Amendment (CD-64 1485 Fir Street) Bylaw, 2020, No. 2363".

Public Information Meeting held this 12th day of December, 2019

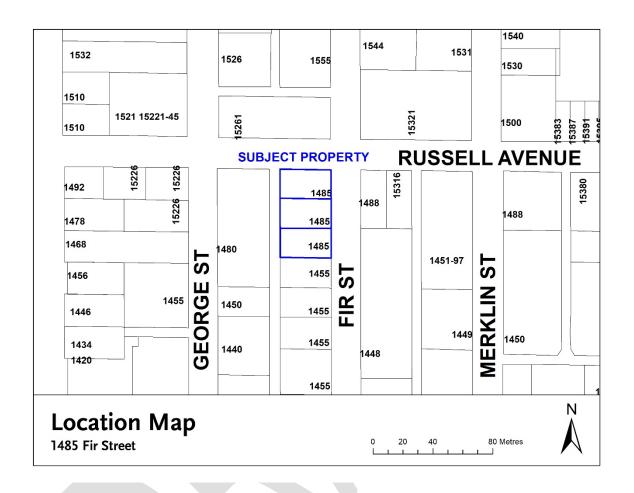
Read a first time this day of , 2020

Read a second time this	day of	, 2020
Considered at a Public Hearing this	day of	, 2020
Read a third time this	day of	, 2020
Adopted this	day of	, 2020

Mayor

Director of Corporate Administration

Schedule "1"



Schedule "2"

7.64 CD-64 COMPREHENSIVE DEVELOPMENT ZONE

INTENT

The intent of this zone is to accommodate the development of a multi-unit residential building on a site of approximately 2,036 square metres, with the provision of affordable housing and a housing agreement bylaw in accordance with section 482 of the *Local Government Act*.

1. Permitted Uses:

- (1) multi-unit residential use; and
- (2) accessory home occupation use in accordance with the provisions of section 5.3 and that does not involve clients directly accessing the *principal building*

2. Lot Coverage:

(a) For multi-unit residential uses, lot coverage shall not exceed 49%

3. Maximum Base Density:

The following base density regulation applies generally for the zone:

Maximum *residential floor area* shall not exceed 1.1 times the lot area, and maximum *gross floor area* shall not exceed 1.5 times the lot area.

4. Maximum Increased Density:

Despite section 7.64.3, the reference to the maximum *gross floor area* of "1.5 times the lot area" is increased to a higher density of a maximum of 5,700 m² (61,356.85 ft²) of *gross floor area* (2.8 FAR; or gross floor area ratio) and 80 apartment dwelling units where a housing agreement has been entered into and filed with the Land Title Office to secure eighty (80) dwelling units as rental tenure for the life of the building.

5. Building Height:

- (a) The *principal buildings* for *multi-unit residential uses*, inclusive of elevator shafts, stair housing, and all mechanical equipment, shall not exceed a *height* of 129.2 metres geodetic; and
- (b) Ancillary buildings and structures for multi-unit residential uses shall not exceed a height of 5.0 metres from finished grade.

6. Siting Requirements:

- (a) Minimum setbacks for *multi-unit residential uses* are as follows:
 - (i) Setback from north lot line

= 5.05 metres

(ii) Setback from south lot line

= 5.25 metres

(iii) Setback from west lot line

= 3.08 metres

(b) Ancillary structures may be located on the subject property in accordance with the Plans prepared by Billard Architecture dated August 11, 2020 that are attached hereto and on file at the City of White Rock, with the exception that no ancillary buildings or structures are permitted within a 1.0 metre distance from a lot line

7. Parking:

Parking for *multi-unit residential uses* shall be provided in accordance with Sections 4.14 and 4.17, with the minimum number of spaces required as follows:

- (a) A minimum of ninety-six (96) spaces shall be provided for residents of the *multi-unit* residential use:
- (b) A minimum of twenty-four (24) spaces shall be provided for visitors and marked as "visitor":
- (c) A minimum of three (3) of the required one hundred and eight (108) spaces shall be provided as accessible parking spaces, shall be clearly marked, and shall have a minimum length of 5.5 metres. Of the three accessible parking spaces, one space shall be provided as a van-accessible loading space with a minimum width of 2.8 metres, and the other two spaces shall have a minimum width of 2.5 metres, provided that the three parking spaces have a shared or non-shared access aisle with a minimum width of 1.5 metres; and
- (d) The minimum height clearance at the accessible parking spaces and along the vehicle access and egress routes from the accessible parking spaces must be at least 2.3 metres to accommodate over-height vehicles equipped with a wheelchair lift or ramp.

8. Bicycle Parking:

Bicycle parking shall be provided in accordance with Section 4.16, with the minimum number of spaces required as follows:

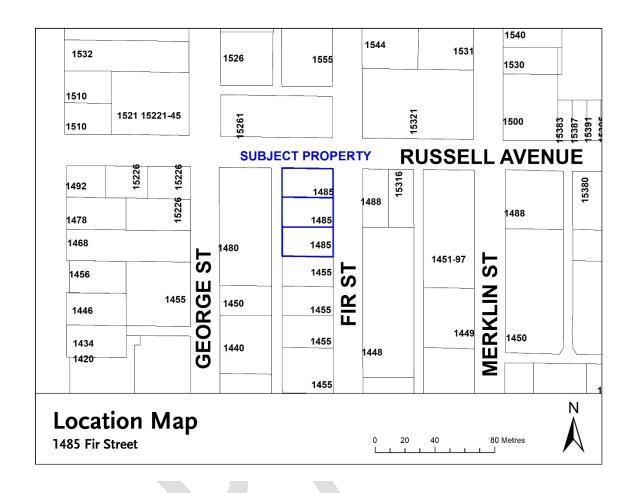
- (a) A minimum of 94 Class I spaces shall be provided; and
- (b) A minimum of 16 Class II spaces shall be provided

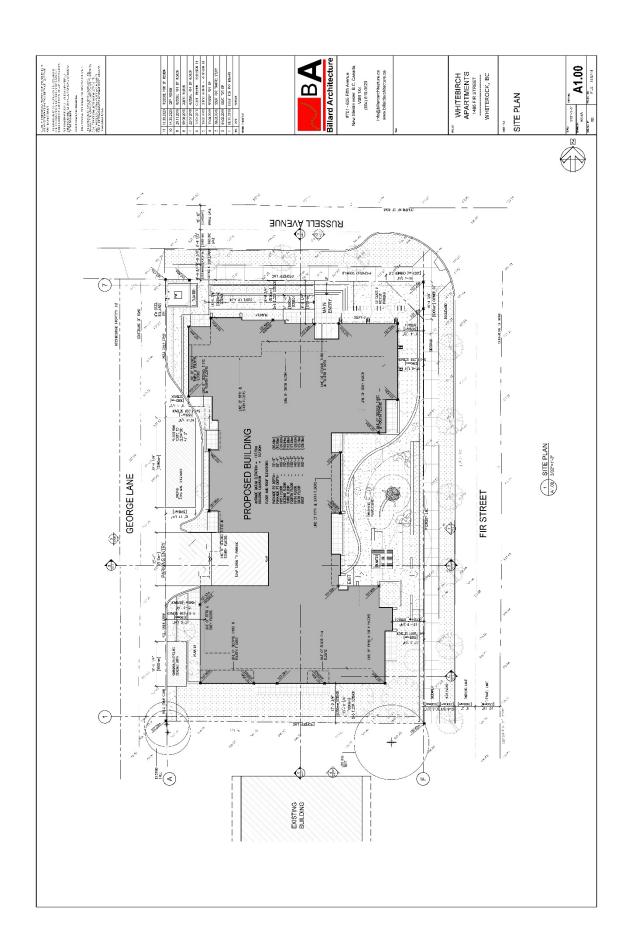
9. Loading:

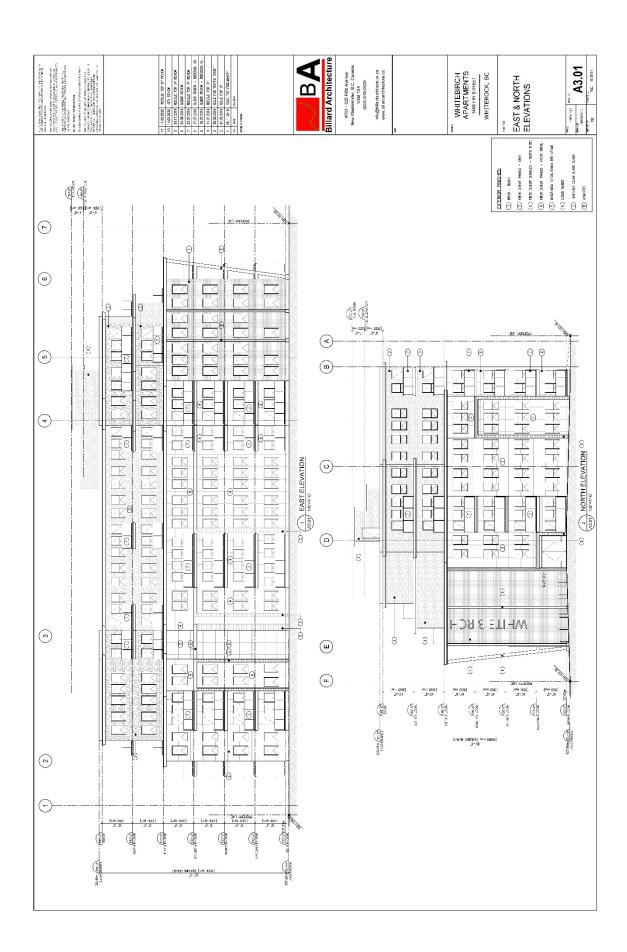
(a) One loading space shall be provided for a *multi-unit residential use* in accordance with Section 4.15

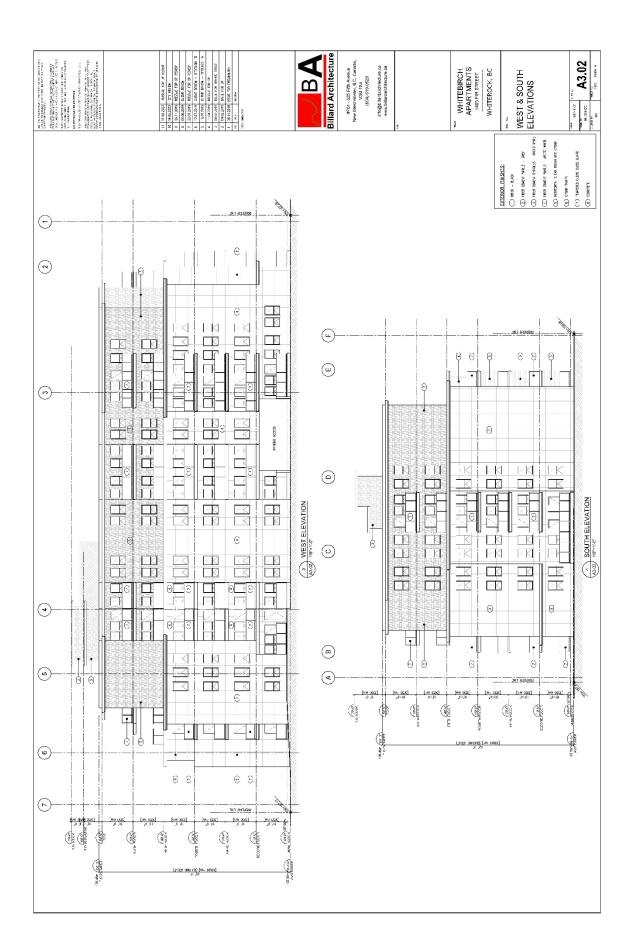
10. General:

Development in this zone that includes the additional (bonus) density referred to in Section 4 shall substantially conform to the Plans prepared by Billard Architecture dated August 11, 2020 that are attached hereto and on file at the City of White Rock











APPENDIX B

Draft Development Permit No. 432

(Attached Separately)

THE CORPORATION OF THE CITY OF WHITE ROCK



DEVELOPMENT PERMIT NO. 432

1. Development Permit No. 432 is issued to 1062822 B.C Ltd. as the owner and shall apply only to ALL AND SINGULAR those certain parcels or tracts of land and premises situate, lying and being in the City of White Rock, in the Province of British Columbia, and more particularly known and described as:

Legal Description:

Lot 16 Section 11 Township 1 New Westminster District Plan 15362 PID: 001-331-931 (1485 Fir Street)

Lot 17 Section 11 Township 1 New Westminster District Plan 15362 PID: 001-331-965 (1485 Fir Street)

Lot 18 Section 11 Township 1 New Westminster District Plan 15362 PID: 001-331-981 (1485 Fir Street)

As indicated on Schedule A, including a consolidation of these three lots.

- 2. Development Permit No. 432 is issued pursuant to the authority of Sections 490 and 491 of the *Local Government Act, R.S.B.C. 2015, Chapter 1* as amended, the "White Rock Official Community Plan Bylaw, 2017, No. 2220" as amended, and in conformity with the procedures prescribed by the "City of White Rock Planning Procedures Bylaw, 2017, No. 2234" as amended.
- 3. The terms, conditions and guidelines as set out in "White Rock Official Community Plan Bylaw, 2017, No. 2220" as amended, that relate to the "Multi-Family Development Permit Area" shall apply to the area of land and premises hereinbefore described and which are covered by this Development Permit.
- 4. Permitted Uses of Land, Buildings and Structures

Land, buildings, and structures shall only be used in accordance with the provisions of the "CD-64 Comprehensive Development Zone" of the "White Rock Zoning Bylaw, 2012, No. 2000" as amended.

5. <u>Dimensions and Siting of Buildings and Structures on the L</u>
--

All buildings and structures to be constructed, repaired, renovated, or sited on said lands shall be in substantial compliance with the Plans prepared by Billard Architecture and VDZ Landscape Architecture attached hereto in accordance with the provisions of Section 491 of the *Local Government Act*:

Schedule B Site Plan

Schedule C Building Elevations

Schedule D Renderings

Schedule E Landscaping Plans

These Plans form part of this development permit.

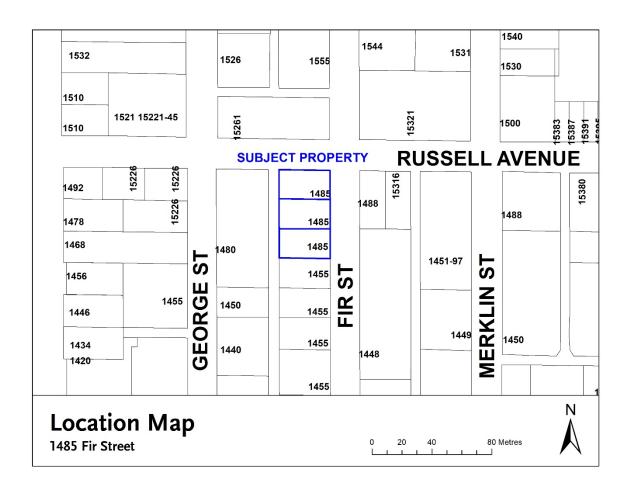
6. Terms and Conditions:

- a) The applicant shall enter into a Servicing Agreement to provide frontage improvements and on-site works and services in accordance with Section 506 of the *Local Government Act* and to the acceptance of the Director of Engineering and Municipal Operations;
- b) The applicant shall provide landscaping for the development in substantial compliance with the Landscape Plans (Schedule E) to the acceptance of the Director of Planning and Development Services and the Director of Engineering and Municipal Operations;
- c) The permittee must also submit an estimate for the cost of landscaping, along with securities in the amount of \$188,000.00 (125% of the cost of landscaping) to the City prior to the issuance of a building permit;
- d) Rooftop mechanical equipment shall be screened from view to the acceptance of the Director of Planning and Development Services; and
- e) The hydro kiosk is to be located on site to the acceptance of the Director of Planning and Development Services.
- 7. In the interpretation of the Development Permit all definitions of words and phrases contained in Sections 490 and 491 of the *Local Government Act, R.S.B.C. 2015, Chapter 1* as amended, and the "White Rock Official Community Plan Bylaw, 2017, No. 2220", as amended, shall apply to this Development Permit and attachments.
- 8. Where the holder of this Permit does not obtain the required building permits and commence construction of the development as outlined in this Development Permit within two years after the date this Permit was authorized by Council, the Permit shall lapse, unless the Council, prior to the date the Permit is scheduled to lapse, has authorized further time extension of the Permit.
- 9. This permit does not constitute a subdivision approval, a tree management permit, a demolition permit, or a building permit.

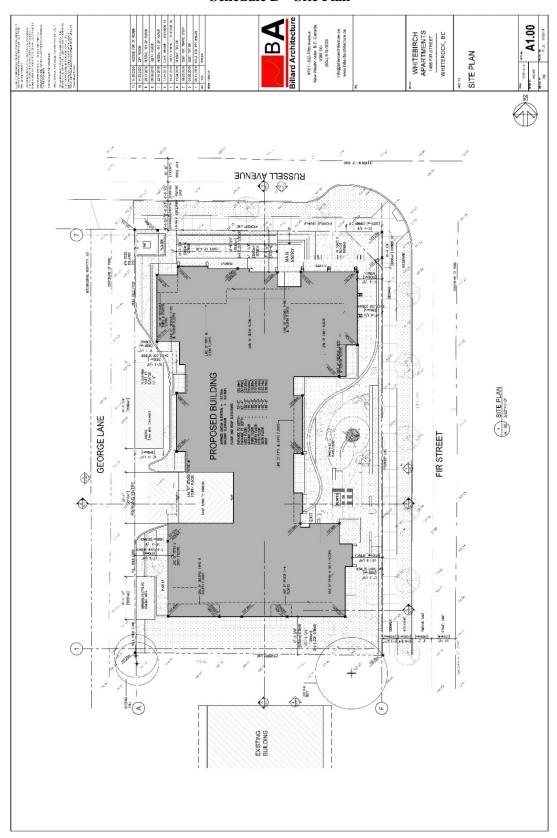
Authorizing Resolution passed by the Council for the Ci	ity of White Rock on the day of
, 20	

This development permit has been executed at White Rock, British Columbia on the
day of20
The Corporate Seal of THE CORPORATION OF THE CITY OF WHITE ROCK was hereunto affixed in the presence of:
Mayor Authorized Signatory
Director of Corporate Administration Authorized Signatory

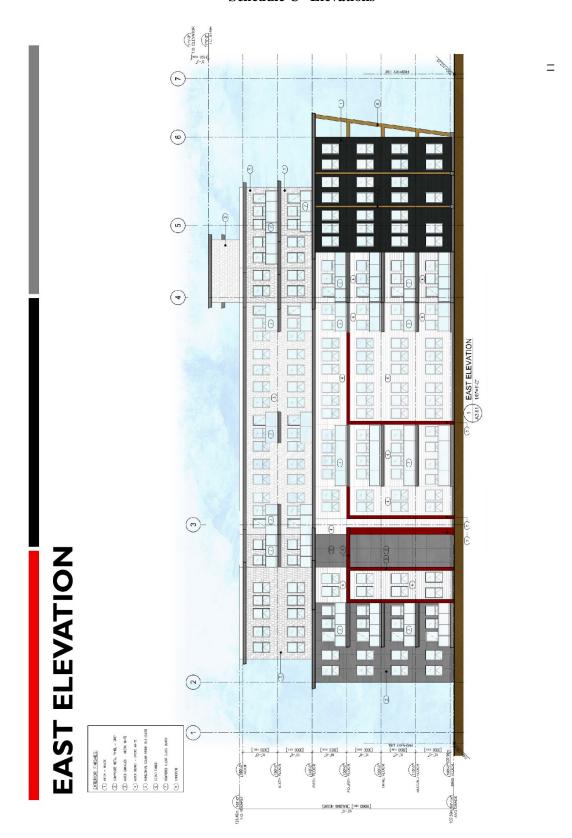
Schedule A – Location Map



Schedule B – Site Plan



Schedule C –Elevations



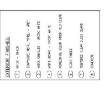


SNJ Y739089

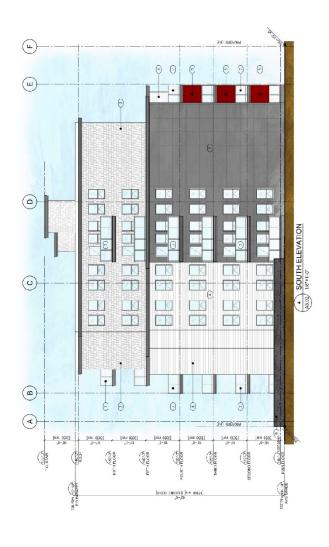
Θ K 3 WEST ELEVATION Θ K K Ħ 4 WEST ELEVATION 0 (n) 9 (o) 0 0 0 0 (-) _C-_Z9 [WILDING HEIGHT]

NORTH ELEVATION





SOUTH ELEVATION



2. CIERCR : INSCESS

(7) MAX - MAX

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(18) MAY - MAX

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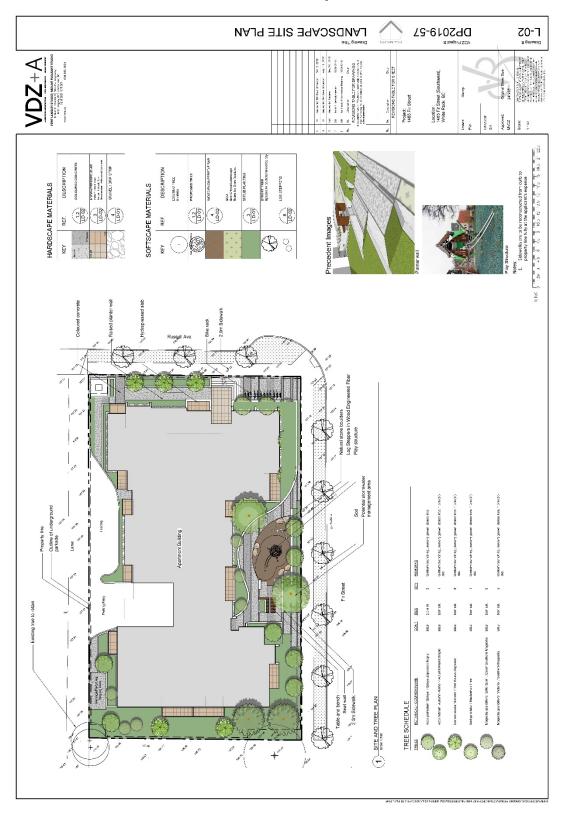
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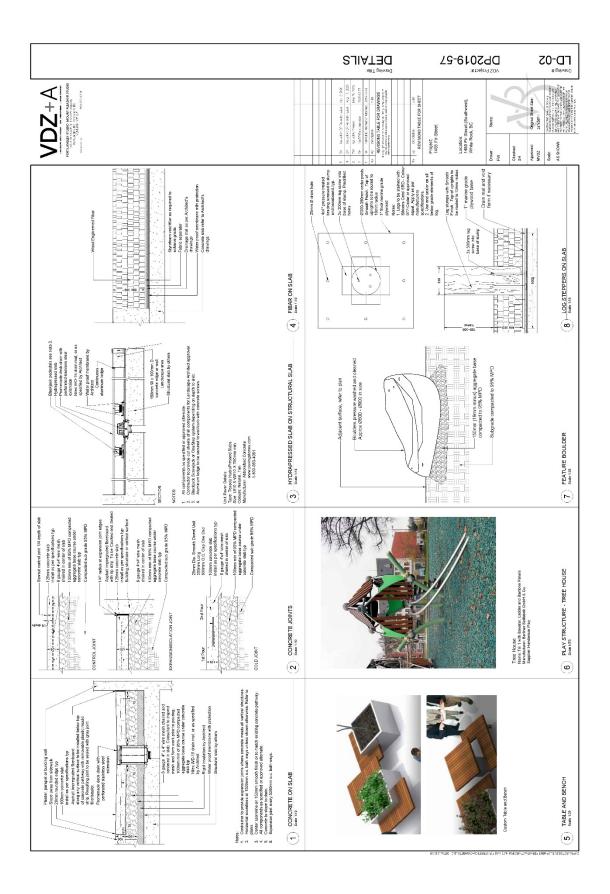
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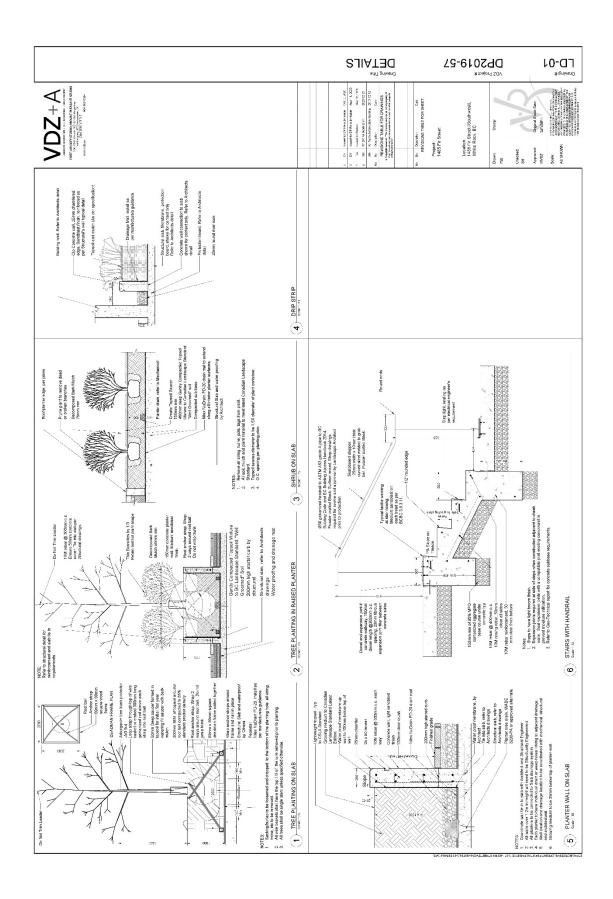
$Schedule\ D-Renderings$



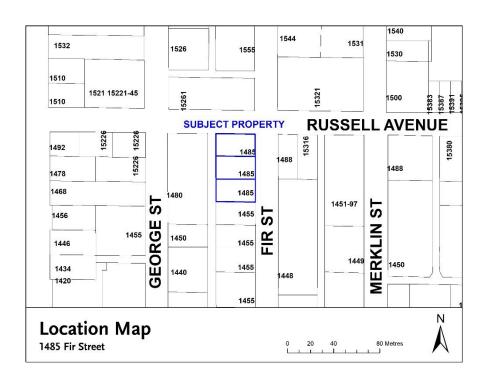
Schedule E – Landscape Plans







APPENDIX C Location and Ortho Photo Maps





APPENDIX D

LUPC Report "Initial OCP Amendment Application Report- 1485 Fir Street (19-009 OCP/ZON/MJP)" dated July 8, 2019

(Attached Separately)

THE CORPORATION OF THE

CITY OF WHITE ROCK CORPORATE REPORT



DATE: July 8, 2019

TO: Land Use and Planning Committee

FROM: Carl Johannsen, Director of Planning and Development Services

SUBJECT: Initial OCP Amendment Application Report – 1485 Fir Street (19-009)

OCP/ZON/MJP)

RECOMMENDATIONS

THAT the Land Use and Planning Committee:

- 1. Receive for information the corporate report dated July 8, 2019 from the Director of Planning and Development Services, titled "Initial OCP Amendment Application Report 1485 Fir Street (19-009 OCP/ZON/MJP);" and
- 2. Recommend that Council refuse the OCP amendment application, and direct staff to work with the applicant on a revised rezoning and Major Development Permit application, for a secured rental housing development that includes a reduced FAR (2.8 gross floor area ratio consistent with the OCP), and amended building and site design.

EXECUTIVE SUMMARY

An Official Community Plan (OCP) Amendment application has been received regarding a development proposal at 1485 Fir Street, which is the civic address for the land occupied by an existing three storey rental apartment building known as "White Birch Apartments" and addressed as 1475 Fir Street.

This proposal consists of redeveloping the site to replace the existing 25 unit building with a six (6) storey rental apartment building with 84 rental dwelling units. This exceeds the OCP minimum requirement of a 1:1 replacement policy by 59 units. As required by the Council Policy 514: Tenant Relocation Policy, the applicant has provided tenants with a Notice of Redevelopment and Tenant Assistance Package, which is attached to this report as Appendix D.

The application is requesting an amendment to the OCP to permit a density 15% higher than the maximum allowed, with a proposed gross Floor Area Ratio (FAR) density of 3.23 exceeding the maximum 2.8 FAR currently allowed in the OCP.

The proposed apartment development also does not meet the minimum percentage of three bedroom units required under OCP Policy 11.1.1 (10% minimum three bedroom and 35% either two or three bedroom), instead providing 7% (six units) out of the total 84 units as three bedroom and 37% (25 units) as either two or three bedroom.

While staff support the expansion of the rental housing supply that this project would help provide, staff do not support the proposed FAR increase beyond the maximum in the OCP and the resulting bulkiness of the proposed design.

Achieving the required minimum percentage of three bedroom units can be a financial challenge for projects as these larger units typically generate lower revenue per square foot; this financial obstacle is particularly relevant for rental apartment proposals which have historically been less profitable than strata residential development and therefore unable to compete with strata developers to acquire new sites. Staff recommend that as part of the "Improving Housing Affordability" topic within the OCP Review, that Council consider reducing the amount of three bedroom units required for rental apartment buildings to 5%.

This report sets out options for consideration by the Land Use and Planning Committee, in terms of giving direction to staff on how this application should be managed moving forward. These options include:

- 1) Committee refusing the OCP amendment related to this proposal and directing staff to work with the applicant on a revised rezoning application that is consistent with the current OCP FAR for these properties (2.8 gross floor area ratio) and includes a refined building design; or
- 2) directing staff to continue to process the entire proposal in its current form, including the OCP amendment, with the next step being a Public Information Meeting to be hosted by the Applicant.

INTRODUCTION

The Planning and Development Services Department has received an OCP Amendment application for 1485 Fir Street. This corporate report provides initial, high-level staff analysis and commentary on this application, for the Land Use and Planning Committee's (LUPC) information.

Staff seek feedback from the LUPC on whether this OCP Amendment application should be:

- Refused and the rezoning application referred back to staff, with direction from the LUPC to staff regarding suggested revisions to the rezoning application; or
- Moved forward in its current form.

The proposed development is for a rental residential buildings that is six (6) storeys in height, with a proposed FAR of 3.23. The proposal includes 84 residential dwelling units (all of which would be secured as rental for the life of the building). The orthophoto and location maps are included as Appendix A of this corporate report, and the applicant's drawing package is included as Appendix C (including site plan, conceptual massing drawings, and commentary on the relationship with City OCP policies).

PAST PRACTICE / POLICY / LEGISLATION

The City's OCP (White Rock Official Community Plan, 2017, No. 2220) sets out land use, density, height and other policy directions for new development applications.

In the Land Use chapter of the OCP, under policy 8.2.3, properties in the Town Centre Transition area including 1485 Fir Street are identified as being eligible for additional density (up to 40% above the base density) where at least half this additional floor area is dedicated to and secured as residential rental units. The base density for this property is 2.0 FAR, there for the total maximum density permitted, including the rental bonus density, is 2.8 FAR, of which 0.4 FAR would be required to be for rental units. There is no additional bonus available for projects that consist entirely of rental units.

Building heights in the Town Centre Transition area are encouraged to develop within the range presented in Figure 10 of the OCP; for the subject site, this is shown in a continuum between 18

storeys at North Bluff Road and 6 storeys at Thrift Avenue, suggesting that between 6-8 storeys would be a supportable height on this block.

Policy 11.2.1(f) requires that a minimum one-to-one replacement of existing rental units be provided when an existing rental building is proposed for redevelopment, with an average unit size of the replacement units at least 80% of the units being replaced.

The new OCP also includes policy regarding OCP Amendment applications. According to Section 19.3 (page 76) OCP Amendment applications are to be reviewed by staff and an initial information report on the proposal presented to Council for review and feedback to staff. As stated in the OCP, Council may then refuse the application or direct City staff to continue processing it. Council may also refer it back to staff with specific direction.

This approach provides the Committee an opportunity to provide direction on OCP Amendment applications, prior to these applications being presented at a Public Information Meeting and proceeding through the application process (i.e. Advisory Design Panel, consultation with potentially affected groups, preparation of Amendment Bylaws, Public Hearings, etc.), as set out in the Planning Procedures Bylaw and Policy 512: Official Community Plan Consultation.

ANALYSIS

Existing Land Use Context

There are three separate parcels that form 1485 Fir Street (the existing building straddles the shared property lines) and the subject properties are currently zoned 'RM-2 Medium Density Multi-Unit Residential Zone' which permits townhouse or apartment complexes with a 10.7 metre (35.1 feet) maximum height.

On the outside edge of the Town Centre area, the subject site is surrounded by a mix of commercial, institutional and residential uses. To the west of the subject site across a lane is St. John's Presbyterian Church and Daycare Centre, to the north across Russell Avenue is a three storey office building (Russell Professional Building), and to the south and east are existing multi-unit residential buildings (one storey building on the east side of Fir Street, and three storey buildings to the south).

Proposed Development

The subject properties are 0.50 acres (2,036 square metres; 21,917 square feet) in overall size. In terms of OCP land use the subject properties are in the 'Town Centre Transition' designation, which allows multi-unit residential uses in low-rise to high-rise buildings. The base density for this property is 2.0 FAR, and the total maximum density permitted including the rental bonus density (40% above the base density) is 2.8 FAR, of which 0.4 FAR would be required as rental floor area. A summary of development statistics are provided in Table 1 below:

Table 1: Development Proposal Statistics

	Original Proposal
Land Area	$0.50 \text{ acres } (2,036.\text{m}^2)$
Total Number of Units	84
Residential Floor Area (Net)	5,825.6 m ² (62,706.1 ft ²)
Gross Floor Area	6,586.9 m ² (70,900.4 ft ²)
Density - Floor Area Ratio (Gross)	3.2347 (rounded to 3.23 for this report)
Lot Coverage	56%
Height	18.9 m (62.0 ft)
Residential Parking Spaces	115 (1.37 per unit)
Loading Spaces	1

A rendering of the proposed development is included below as Figure 1, the proposed site plan is included as Figure 2, and a more detailed drawing package is available in Appendix C.



Figure 1: Rendering

Figure 2: Proposed Site Plan (Main Floor Plan)



Proposed FAR in Relation to the OCP

The proposed OCP Amendment application involves an FAR of 3.23. Staff do not support the proposed FAR, which is 0.43 FAR above the maximum FAR available of 2.8.

FAR is calculated by using these measurement methods in the White Rock Zoning Bylaw:

- 1) General 'gross floor area' measurement: includes the sum total of floor areas of each storey in a building, and excludes community amenity spaces. The Zoning Bylaw defines this approach for buildings in commercial, mixed-use and public use zones.
 - This measurement approach results in a 'gross FAR' number. The gross FAR approach also reflects the overall massing and bulk of a building.
- 2) <u>General 'net floor area'</u> measurement: the Zoning Bylaw allows this approach for buildings in multi-family residential zones, and includes the sum total of floor areas of each storey but excludes unenclosed balconies, common stairwells, elevator shafts, common corridors, recreation and amenity areas and above grade enclosed parking areas.
 - This measurement approach results in a 'net FAR' number.
 - A net FAR number can typically be 10 to 20 percent lower than the gross FAR number for the same building, primarily due to removing the 'circulation floor space' (i.e. hallways, stairwells, elevator shafts) areas on each building floor plate or storey, and in some cases, removing above ground enclosed parking floor area contained within the same building. The net FAR approach does not reflect the overall massing and bulk of the building, and typically only includes saleable or leasable floor space.

The measurement of density in the OCP is always based on the **gross FAR** and is intended to regulate the overall massing and bulk of a building, whereas the Zoning Bylaw utilizes both gross and net approaches, depending on the zone.

Staff note that the base density allowed in the OCP without providing rental housing on these properties is 2.0 FAR. Since a replacement of the existing rental units is required it is likely that at least approximately 1.0 FAR on this site would be provided as rental which enables the bonus density provisions of up to 2.8 FAR, leaving the potential for approximately 1.8 FAR as either rental or strata. The development does not include any strata and instead proposes that the entire building be secured market rental units.

The applicant has provided an amendment rationale for the apartment site (attached as Appendix B) and has described the relationship with the proposal and other OCP objectives in their drawing package attached as Appendix C.

Should Council wish to advance this particular application at the currently proposed density (3.23 FAR) on the basis that it will make rental development more viable, it is recommended that staff also be directed to include in the "Improving Housing Affordability" topic within the OCP Review a proposal that would allow up to a larger density bonus (e.g. 50-65% above base density instead of the current 40%) for sites within the Town Centre Transition area that are proposed as entirely market rental buildings.

Apartment Design Commentary

Staff consider that the proposed mid-rise six (6) storey building, at 3.23 FAR and a lot coverage of 56%, presents a bulky/boxy form that would have an imposing and somewhat monolithic or institutional presence in the neighbourhood. Comparatively, a six (6) storey building at the 2.8 FAR allowed in the OCP would have an approximate lot coverage of 47%. While it is possible to

reduce the bulky/boxy effect of the building through revisions to exterior materials and architectural details that break up the mass of the building and therefore increase the visual interest and residential feel, the size of the building itself contributes to the bulkiness of the massing, and lack of articulation and recessing needed to provide relief and transitions from the street and adjacent properties.

By comparison, the OCP allows six (6) storey buildings on sites identified for affordable rental developments at a maximum density of 2.5 FAR, which is considered appropriate to allow for a design with adequate setbacks (i.e. reduced lot coverage of approximately 42% creating open space at the sidewalk level) and terracing (to reduce the perceived height impact of upper floors) of a six storey building.

On the subject property, the permitted OCP density increases to 2.8 FAR, which is close to the density at which a strata concrete tower would be a viable form of development on a large enough site. However, due to the rental replacement requirements and the applicant's interest in providing an entirely market rental development, the cost of concrete construction would likely not be financially viable.

Staff would consider it appropriate for the building to be redesigned to a density of 2.8 FAR, within the maximum allowed in the OCP for this property, which could provide for:

- reduced lot coverage (increased open space at the ground level) closer to or less than 50%
- deeper setbacks for the upper levels (reducing the perceived height impact), such as stepping levels 4 to 6 at the corner of Russell and Fir and on the south property line
- private function patios for residents on the 1st-4th floors facing the street (open balconies are not included in FAR, but are encouraged in the Development Permit Area guidelines)
- increasing the depth of the building's "bays" to break up the massing

Additional suggested design revisions, which do not relate directly to building size, would be:

- varying the fenestration (windows and doors) in size and/or colours (of muntin bars), which are currently the same across the entire building, to accent the residential character of the building
- emphasize the vertical elements to provide balance to the building's overall size
- consider potential for the reorientation/relocation of the outdoor amenity space to provide relief to the massing impact
- providing architectural details on portions of the west façade which are currently blank
- increase roofline variability to provide interest and punctuation
- consider a low maintenance landscaped (planted) edge on the fourth level roof to soften the appearance of the building and create a horizontal break in the building

Should Council direct staff to work with the applicant on a revised design within the maximum density permitted in the OCP or proceed with the current application, these design considerations could receive further feedback from the Advisory Design Panel.

The current parking ratio for the proposal is 1.37 spaces per unit, which is less than the typical Zoning Bylaw requirement of 1.5 spaces per unit. However, noting that the property is near bus stops and routes in the Town Centre, and that OCP policy 11.2.1(f) states that "Council will consider reviewing parking requirements to determine the extent to which they can be relaxed for nonmarket and rental housing within walking distance (i.e. 400-800 metres of real travel

distance) of frequent transit service and/or commercial areas," staff would consider supporting the parking reduction for this rental housing proposal, subject to confirmation of the proposed Transportation Demand Management measures proposed by the applicant (pre-loaded Compass Cards for residents, etc.)

Tenant Relocation Plan

The applicant has submitted a complete tenant relocation plan. The associated Notice of Redevelopment and Tenant Assistance Package, which was distributed to tenants on May 17, 2019, is attached to this report as Appendix D. The information contained in the Notice is considered to be consistent with the Tenant Relocation Policy. However, staff note that a dedicated tenant coordinator is to be retained and is not intended to be the developer/owner. Staff have not undertaken an in-depth analysis of the tenant relocation plan, as the proposed application is beyond the OCP FAR and direction on this is required first as this may affect the proposed number of units and potential tenant approach. Staff note that the current low vacancy rate for rental apartments may make locating alternative accommodation challenging.

The LUPC may consider discussing the tenant relocation plan at this time, or defer discussion to a later corporate report / LUPC meeting according to direction provided by Committee.

OPTIONS

While staff support the proposed market rental tenure of the project, staff do not support the proposed OCP Amendment in its current form.

Increasing permitted OCP densities on a site-specific basis will likely lead to future requests for similar OCP amendments, as prospective purchasers will 'bid' higher for the land on the basis of an anticipated increase in density. Staff do not believe that the densities in the approved OCP need to be increased in order to accommodate the projected increases in population, however if Council is interested in further incentivizing the construction of new rental apartments, staff recommend that additional density only be considered for projects that consist entirely of secured rental units.

This being said and based on the above analysis, the LUPC can consider these options, amongst other feedback, in directing how staff should manage this application moving forward:

- 1. Refuse the OCP amendment aspect of this proposal and refer back to staff to work with the applicant to revise their rezoning and major development permit application to be consistent with the maximum FAR for the property (2.8 FAR maximum). This also involves refining the apartment design as discussed in the report, which would have the likely effect of reducing the FAR below 2.8 FAR; or
- 2. Staff continue to process the entire proposal in its current form, with the next step being referral to external agencies and internal departments, a Public Information Meeting, followed by review by the Advisory Design Panel.

If the OCP amendment application is refused per Option #1 above which is also the recommendation of this corporate report, the applicant would be refunded a portion of their application fees for the OCP amendment application and the existing rezoning and major development permit applications which were applied for concurrently would remain open. In order to proceed with the rezoning and major development permit applications the applicant would need to submit revised designs that do not require amendments to the OCP (i.e. within the allowable density, and meeting the minimum 10% three bedroom unit requirements).

Additional Considerations

Should this proposed application move forward, staff note there are additional considerations that the applicant will need to meet and that the LUPC should be aware of, including:

- requests to exceed the OCP should have a clear public benefit beyond 1:1 replacement and additional rental space as contemplated in the OCP. This additional benefit could be secured below market rental units for vulnerable/existing tenants;
- the market rental residential tenure of the building would be required to be secured by way of a Housing Agreement and related bylaw as rental for the life of the building;
- as a market rental project, this development may be eligible for a reduction of Community Amenity Contributions (CAC) up to 50% of the targeted value;
- the OCP and Zoning Bylaw requires new buildings to include one (1) electric vehicle charging station and one (1) 'rough in' for every ten (10) parking spaces (the applicant is proposing 24 electric vehicle charging stations, which is slightly more than the 23 stations that would be required with the proposed 115 off-street parking spaces); and
- noting that stormwater and sanitary servicing master plans are currently being developed
 to guide development-related upgrades to these services (and a water master plan was
 recently approved), and that these master plans are based on FARs in the current OCP, it
 is important to note that increasing the FAR on this property and potentially other
 properties may undermine the basis of these servicing plans, and require significant
 additional servicing upgrades and funding.

CONCLUSION

The Planning and Development Services Department has received an OCP Amendment application for 1485 Fir Street. While staff support the rental housing component, staff do not support the proposal in its current form, primarily due to the FAR being over what is identified in the OCP. Staff seeks feedback from the Land Use and Planning Committee on whether this OCP Amendment application should be:

- Refused and the rezoning application referred back to staff for revisions within the allowable density in the OCP and design refinements to the building as discussed in this report, with direction from the LUPC to staff regarding suggested revisions to the application; or
- Moved forward in its current form.

Respectfully submitted,

Carl Johannsen, MCIP, RPP

Director of Planning and Development Services

Comments from the Chief Administrative Officer:

I concur with the recommendations of this corporate report.

Dan Bottrill

Chief Administrative Officer

Note: Attachments removed for brevity

Appendix A: Location and Ortho Photo Maps

Appendix B: Applicant's Official Community Plan Amendment Rationale Letter

Appendix C: Drawing Package

Appendix D: Applicant's Notice of Redevelopment and Tenant Assistance Package

APPENDIX E

LUPC Report "Information Report Update and Revised Tenant Relocation Plan 1485 Fir Street (ZON/MJP 19-009)" dated September 30, 2019

(Attached Separately)

THE CORPORATION OF THE

CITY OF WHITE ROCK CORPORATE REPORT



DATE: September 30, 2019

TO: Land Use and Planning Committee

FROM: Carl Isaak, Director of Planning and Development Services

SUBJECT: Information Report Update and Revised Tenant Relocation Plan – 1485 Fir

Street (ZON/MJP 19-009)

RECOMMENDATION

THAT the Land Use and Planning Committee receive for information the corporate report dated September 30, 2019 from the Director of Planning and Development Services, titled "Information Report Update and Revised Tenant Relocation Plan – 1485 Fir Street (ZON/MJP 19-009)."

INTRODUCTION

The Land Use and Planning Committee (LUPC) received a corporate report dated July 8, 2019 from the Director of Planning and Development Services, titled "Initial OCP Amendment Application Report – 1485 Fir Street (19-009 OCP/ZON/MJP)." The application at the time required an increase in gross floor area ratio (or 'FAR') density above what was permitted in the Official Community Plan (OCP) and did not provide the number of three-bedroom units (10%) required in the OCP, and would have required an OCP amendment.

Council subsequently directed staff to work with the applicant on a revised application that did not require an OCP amendment. There was also discussion at the LUPC meeting regarding the adequacy of the applicant's Tenant Relocation Plan. This corporate report provides a brief update including the applicant's enhanced Tenant Relocation Plan and an overview of the changes to the form of the development proposal application which now does not require an OCP amendment and will now proceed as a rezoning and major development permit application. Location and ortho photo maps of the subject property are attached as Appendix A. The revised Notice of Redevelopment and Tenant Assistance Package (components of the Tenant Relocation Plan) is attached as Appendix B. The corporate report from July 8, 2019 is attached as Appendix C, for LUPC's information.

PAST PRACTICE / POLICY/LEGISLATION

OCP Land Use and Policy

The OCP land use designation for the subject properties is 'Town Centre Transition.' The City's OCP (White Rock Official Community Plan, 2017, No. 2220) sets out land use, density, height and other policy directions for new development applications.

In the Land Use chapter of the OCP, under policy 8.2.3, properties in the Town Centre Transition area including 1485 Fir Street are identified as being eligible for additional density (up to 40% above the base density) where at least half this additional floor area is dedicated to and secured as residential rental units. The base density for this property is 2.0 FAR, therefore the total maximum density permitted, including the rental bonus density, is 2.8 FAR, of which 0.4 FAR would be required to be for rental units. There is no additional bonus available for projects that consist entirely of rental units.

Building heights in the Town Centre Transition area are encouraged to develop within the range presented in Figure 10 of the OCP; for the subject site, this is shown in a continuum between 18 storeys at North Bluff Road and 6 storeys at Thrift Avenue, suggesting that between 6-8 storeys would be a supportable height on this block.

Policy 11.2.1(f) requires that a minimum one-to-one replacement of existing rental units be provided when an existing rental building is proposed for redevelopment, with an average unit size of the replacement units at least 80% of the units being replaced.

ANALYSIS

Existing Land Use Context

There are three separate parcels that form 1485 Fir Street (the existing building straddles the shared property lines) and the subject properties are currently zoned 'RM-2 Medium Density Multi-Unit Residential Zone' which permits townhouse or apartment complexes with a 10.7 metre (35.1 feet) maximum height.

On the outside edge of the Town Centre area, the subject site is surrounded by a mix of commercial, institutional and residential uses. To the west across a lane is St. John's Presbyterian Church and Daycare Centre, to the north across Russell Avenue is a three storey office building (Russell Professional Building), and to the south and east are existing multi-unit residential buildings (one storey building on the east side of Fir Street, and three storey buildings to the south).

Previous Proposal

The July 8, 2019 report to the Land Use and Planning Committee included an overview of a new development application submitted on May 9, 2019, for a proposed development with a total of 84 rental residential units in a six (6) storey building

The proposed density for the apartment site exceeded the OCP maximum density by 0.53 FAR (3.23 FAR proposed; 2.8 FAR allowed).

Council subsequently directed staff to work with the applicant on a revised application that did not require an OCP amendment (i.e. that did not exceed the maximum density in the OCP).

Revised Proposal

Following Council's previous direction to work with staff on a revised application that did not require an OCP amendment, the applicant has submitted drawings for the rezoning and development permit application on August 15, 2019. The new proposal does not exceed the maximum density allowed in the OCP and therefore does not require an amendment to the OCP. As the subject properties' current zoning is RM-2, an amendment to the zoning bylaw ('rezoning') would be required to allow the proposal, as well as a development permit to regulate the form and character of the development. Appendix D of the report provides a table outlining the changes in development statistics from the original application to the revised application.

A site plan of the revised proposal is included below as Figure 2, with an enlarged version of the same site plan included as Appendix E to this report.

Figure 1: Site Plan



Revisions to Tenant Relocation Plan

In the original Tenant Relocation Plan, the applicant proposed to give the option to existing tenants to return to the new building at rents that would be 10% below the market rent that was being charged at that time for other similar units, which is consistent with the City's Tenant Relocation Policy No: 514. Due to concerns that were raised during the discussion at LUPC regarding the large increase that even 10% below market rent would be for existing tenants, the applicant has offered to reduce the rents charged to returning tenants to 20% below projected market rent for the building, which is estimated at \$2.80 per square foot. The proposed initial rents for returning residents would be \$2.24 per square foot, equating to:

- \$1,232 for an average size (550 square foot) one-bedroom unit
- \$1,859 for an average size (830 square foot) two-bedroom unit

These rents would be inclusive of a parking space and hot water, and following occupancy the owner would be permitted to increase rents in accordance with the annual increases regulated by the Residential Tenancy Branch.

In addition to the cost of the foregone revenue from the below market rents for existing tenants, the applicant has estimated that the total cost of the reduced rents and other forms of assistance to tenants would be \$145,000 (\$90,000 for compensation to tenants, \$23,000 for moving expenses, \$15,000 for moving assistance, and \$16,000 for a tenant relocation coordinator).

The applicant has also identified that the previous owner of the subject property, who also have another rental apartment in White Rock, have offered to relocate existing tenants to their building during the construction period as their units become vacant.

The applicant has also designated a new Tenant Relocation Coordinator instead of personally acting as the Tenant Relocation Coordinator.

Revisions to Architectural Drawings

The applicant has made several revisions to the drawing package in response to the comments provided in the corporate report dated July 8, 2019, attached as Appendix C. These revisions reduce the amount of floor area density and increase the number of three-bedroom units so that an OCP amendment is no longer necessary. The changes also begin to address the massing and design issues noted in the report. Some of the more significant design changes include:

- Decreasing the lot coverage to below 50%
- Increasing the setbacks on the upper floors to reduce the visual impact of the height
- Adding balconies onto the homes along Fir Street
- 'Flipping' the outdoor play area / courtyard to Fir Street (from the lane)

The design will likely have further changes through public feedback and Advisory Design Panel review, prior to being brought forward to Land Use and Planning Committee. Figures 2 and 3, showing the revised and original renderings of the building from the corner of Fir and Russell, are provided for comparison purposes.



Figure 3: Previous Rendering (from Russell Avenue and Fir Street)



Next Steps

Consistent with the process for a Zoning Bylaw amendment and Major Development Permit application (outlined in Schedules H and L of Planning Procedures Bylaw No. 2234), the following are the next steps for the application:

- 1. The application materials will be circulated to internal departments for comment, as well as to staff at the Surrey School District (this is already underway).
- 2. The applicant will install development notification signs on the property, and a public information meeting hosted by the applicant and attended by staff will be scheduled to allow residents an opportunity to provide early input on the proposal.
- 3. An Advisory Design Panel will be held meeting to receive advice and direction on the form and character of the proposed development.

A detailed corporate report for a future LUPC meeting to consider this application will be prepared upon completion of the technical and public review processes.

BUDGET IMPLICATIONS

Further details regarding the Development Cost Charges associated with the project will be brought forward in the detailed corporate report noted above.

In accordance with Council Policy 511: 'Density Bonus / Amenity Contribution', a community amenity contribution of \$922,000 would be anticipated based on the target rates for the Town Centre (this site is in close proximity to the Town Centre and a similar target rate is considered appropriate), and Council may consider reducing the amenity contribution target based on the provision of rental housing.

Council Policy 511 currently allows a reduction of up to 50% of an applicable amenity contribution for secured market rental floorspace, which would amount to \$461,000 based on the above noted target.

CONCLUSION

As a follow-up to a previous OCP amendment application information report, the applicant has revised the density of the proposal to below the maximum 2.8 gross floor area ratio (FAR) for

this rental apartment building, consistent with the OCP, and the application no longer requires an OCP amendment. This report is provided to Council for information regarding the revised proposal which includes a zoning bylaw amendment and Major Development Permit application. A detailed corporate report regarding this application will be provided to LUPC for consideration upon completion of the technical and public review processes.

Respectfully submitted,

Carl Isaak, MCIP, RPP

Director of Planning and Development Services

Comments from the Chief Administrative Officer:

This corporate report is provided for information.

Dan Bottrill

Chief Administrative Officer

Note: Attachments removed for brevity

Appendix A: Location and Ortho Photo Maps

Appendix B: Revised Notice of Redevelopment and Tenant Assistance Package

Appendix C: Corporate Report dated July 8, 2019 titled "Initial OCP Amendment Application

Report – 1485 Fir Street (19-009 OCP/ZON/MJP)"

Appendix D: Comparison of Original Development Proposal Statistics with Revised Proposal

Appendix E: Renderings and Landscape Site Plan

APPENDIX F

Public Information Meeting Sign-in Sheet, Comment Forms, and Summary

(Attached Separately)

PUBLIC INFORMATION MEETING

1485 FIR SREET

REZONING, MAJOR DEVELOPMENT PERMIT, FILE NO. 19-009 DECEMBER 12, 2019

THIRDSPACE COMMUNITY CAFÉ 1381 GEORGE ST, UNIT #1 WHITE ROCK, BC V4B 2L1

	NAME (PLEASE PRINT)	ADDRESS	POSTAL CODE
1.	Elena	1475 -204	
2.	75HD/m	14728 Opper Rope Ave	V4BZLG
3.	Pohny Partor	101-1415 FIRST.	
4.	Michelle McCallyn	1544 Fir -	
5.	PAT PETRALA	15026N. BLUFFRD	VHB5AL
6.	Ron Reid	1467 Merlchin	V48409
7.	GEDRGE WARTTIG	1475 FIR ST	JUBUR
8.	hillian King	1475 Fix St.	
9.	KLUABETH WARTIG	147 FM ST.	V
10.	Celine Chidos	1475 Fir St	
11.	CHLCIC BNANT	1475 Fir ST	V40-405
12.	Edgar DAVES	1455 FIA ST	V48485
13.	PORCEN PORO HOWSICI	1448 FIR ST	V43434
14.	Reg Nash	1481 Merklin St-	V4B4C4
15.	Intes Quivoga	1475 Fix st	V4B 4B5
16.	M.R. Becker	1475 Fir. #105	/(

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PUBLIC INFORMATION MEETING

1485 FIR SREET REZONING, MAJOR DEVELOPMENT PERMIT, FILE NO. 19-009 DECEMBER 12, 2019 THIRDSPACE COMMUNITY CAFÉ 1381 GEORGE ST, UNIT #1 WHITE ROCK, BC V4B 2L1

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PUBLIC INFORMATION MEETING

1485 FIR SREET REZONING, MAJOR DEVELOPMENT PERMIT, FILE NO. 19-009

DECEMBER 12, 2019

THIRDSPACE COMMUNITY CAFÉ 1381 GEORGE ST, UNIT #1 WHITE ROCK, BC V4B 2L1

		NAME (PLEASE PRINT)	ADDRESS	POSTAL CODE
	33.	Barton Jessup	302-1544 Fir.SK.	748487
	34.	SAM	14835 MARINE DR.	V4B1C1
	32.	Mori BALI	14933 Beachines Ave	V4B 182
	36.	S'HERRY SOO! F	1491 MERDIN OF	PUS SAN
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Page 110 of 524

Rezoning & Major Development Permit Proposal Application No. 19-009 - 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

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Please provide your name and address below: (optional)		
Name:	WARTTIG	
Address: 14	WARTTIG 75 FIRST.	
	r position on the development programment programmers (Please circle your preferred respons	roposal application?
I SUPPORT the proposal.	I am UNDECIDED on the proposal.	I OPPOSE the proposal.
Plea	se provide your comments in the	box below:
TOTAL FAR	ct.	
RIDICULOUS		

I want to contact the CITY	I want to contact the APPLICANT
Athena von Hausen Planner, City of White Rock Tel: (604)-541-2159 Email: avonhausen@whiterockcity.ca	Robert Billard Billard Architecture Inc. Tel: (604)-619-0529 Page Thailotobert@billardarchitecture.ca

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

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Name:

Address:

/		
SUPPORT the proposal.	l am UNDECIDED on the	I OPPOSE the proposal.
	proposal.	
Please p	rovide your comments in the bo	x below:
I highly rec	command the	milding. In
White Rock	we have a	ver 60% Ad
all personne	el who ha	e difficulty
climbrie step	y. This will	be the
fires builde	on over 30	your In
have elect	ators to hel	& The elder
and helpe	seale here	- allodabl
honers to	aulet	//*

Robert Billard

Email: avonhausen@whiterockcity.ca Page F12ibfc524@billardarchitecture.ca

Billard Architecture Inc.

Tel: (604)-619-0529

I want to contact the APPLICANT ...

I want to contact the CITY ...

Athena von Hausen

Tel: (604)-541-2159

Planner, City of White Rock

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

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Name:	EL/24	BETH V	JARC	The
Address:	1475	FIRS	T	
				1
W	hat is your posi	ition on the developme (Please circle your preferred re	nt proposal a	application?
I SUPPORT the	proposal.	l am UNDECIDED on toposal.	the	I OPPOSE the proposal.
	Please pr	ovide your comments i	n the box bel	ow:
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Comp	LETE	FARCE		
A 3Ch	REN	OT ALLOW	通	TO SPEAK
		<u> </u>		
Thank you for	vour participatio	n. If you have any auestion	ns, please com	tact the followina:

I want to contact the CITY	I want to contact the APPLICANT
Athena von Hausen Planner, City of White Rock Tel: (604)-541-2159 Email: avonhausen@whiterockcity.ca	Robert Billard Billard Architecture Inc. Tel: (604)-619-0529 Page 1年時時代22年@billardarchitecture.ca

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

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Name:	M. R. Becker		
Address:	#105 - 14	75 Fir St.	
WI	at is your position on th (Please circl	ne development prop e your preferred response)	oosal application?
I SUPPORT the	proposal. I am U	JNDECIDED on the proposal.	I OPPOSE the proposal.
	Please provide you	r comments in the b	ox below:
The bu	ilding /property	owner has a	en ambition to redevelop
his propert	1; it would be	'daffy' of me	to oppose his wishes.
by the	province & the	City of Whi	te Rock will be obser-
ved. n	1. Becker		
	our participation. If you ho		

I want to contact the CITY	I want to contact the APPLICANT
Athena von Hausen	Robert Billard
Planner, City of White Rock	Billard Architecture Inc.
Tel: (604)-541-2159	Tel: (604)-619-0529
Email: avonhausen@whiterockcity.ca Pa	

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Name:

Address:

veriat is your po	(Please circle your preferred response)
SUPPORT the proposal.	I am UNDECIDED on the proposal.
Please p	provide your comments in the box below:
I AM WORRIE) ABOUT SO MUCH MORE
TRAFFIC IN	RUR BREA WITH TWO STORKES
OF UNDERGROU	IND PARKING+6 STORIES
HAD THE BUI	LDING BEENSH STORIES,
I PROBABLY U	JOULD HAVE SUPPORTED THE
PROPOSAL.	
PAVING MORE	ERENTAL PLACES 13 IMPORTANT
BUT WHITE,	ROCK BURDENED
WITH CONSTRU	CTION SITES FOR SEVERAL YEARS NE
PRESENTLY 17	5 NOT THAT LINEABLE

Thank you for your participation. If you have any questions, please contact the following:

Email: avonhausen@whiterockcity.ca Page F19166924@billardarchitecture.ca

Robert Billard

Billard Architecture Inc.

Tel: (604)-619-0529

I want to contact the APPLICANT ...

I want to contact the CITY ...

Athena von Hausen

Tel: (604)-541-2159

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

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DORSON POROHOWSKI #313-1448 FIR ST

Name:

Address:

SUPPORT the proposal.	I am UNDECIDED on the proposal.	OPPOSE the proposal.
Please p	rovide your comments in the	box below:
L UNDERSTON	D 20NMS WI	UBE CHANG
TO ALLOW HH	15 BURDING	TO GO AHOT
ILL THAT E	GECT ALL OF	LDEN BUILDIN
IN A CLOSE	PROXIMITY 2,2	18 30 1 A
APPOSED. 17	HE LIVE ON	FW 3T
Acoross Fri	M Proposed	Bun DALG
I UNDORSTOOD	THIS MOSTING	WOULD ALLOW
RUBSTIONS. A	WASTE OF T	IMO

Robert Billard

Email: avonhausen@whiterockcity.ca Page F16 bfc 24 billardarchitecture.ca

Billard Architecture Inc.

Tel: (604)-619-0529

I want to contact the APPLICANT ...

I want to contact the CITY ...

Athena von Hausen

Tel: (604)-541-2159

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

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Name:

Address: 1491 M	erklin St. White k	leck V4B 4C4			
What is your pos	What is your position on the development proposal application? (Please circle your preferred response)				
I SUPPORT the proposal.	l am UNDECIDED on the proposal.	I OPPOSE the proposal.			
Please pi	rovide your comments in the b	oox below:			
with my sunsets my privacey. No the the propos	and I think ank you to to	is directly inline it will invaid his project, at			
Thank you for your particle at	on. If you have any questions, plea				

I want to contact the APPLICANT ...

Robert Billard

Email: avonhausen@whiterockcity.ca Page FMPibfc524@billardarchitecture.ca

Billard Architecture Inc.

Tel: (604)-619-0529

I want to contact the CITY ...

Athena von Hausen

Tel: (604)-541-2159

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Name:

Address:

What is your position on the development proposal application? (Please circle your preferred response)			
SUPPORT the proposal.	I am UNDECIDED on the proposal.	I OPPOSE the proposal	
Please p	rovide your comments in the b	ox below:	
Makedi is	REPERSENTKE	FOR What.	
Company who	1 ALL THE SE	CRETED WE Should	
PROTECT LOW,	RENTAL HOUSE	INA NOT KNOCK	
them down so	SOME LAKROL	N Co, CAN Build	
apt to MAKE	MONEY, I think	this Looking	
in to Find oc	it who these pri	this Looking	
	No.		

I want to contact the APPLICANT ...

Robert Billard

Email: avonhausen@whiterockcity.ca Page F18 6 24 billardarchitecture.ca

Billard Architecture Inc.

Tel: (604)-619-0529

I want to contact the CITY ...

Athena von Hausen

Tel: (604)-541-2159

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	Please provide your name	and address below: (optional)
Name:	SHERRY S	SOOLE
Address:	1491 MERX	LIN ST.
V		levelopment proposal application? ur preferred response)
I SUPPORT the	1 1	ECIDED on the oposal.
	Please provide your co	omments in the box below:
NOT E	NOUGH SRE	EN SPACE(NO TREES
TOO H	16H BLOCK	5 SKY \$ 50N 000
TOO M	UCH MORE -	TRAFFIC CONGESTIO
UGLY	DESIGN -A	GGRESSIVE FRONT
THAT	DOESN'T	BLEND WITH THE
NEIGH	BOURHOOD,	
- UNEN	VIRONMENT	AL TO WASTE A
SUBSTA	NSTIAL BUI	LDING - & SEND ALL
THE QUAL	ATERIAL TO	THE DOM
- WHY.	DO THE RUL	ES COMMUNITY PLAN
Thank you for	your participation. If you have	any questions, please contact the following:
MI +10	MEMPHEL SE	DEVALUED AS IT
	ant to contact the CITY	I want to contact the APPLICANT
Tel: (604)-	ty of White Rock 541-2159	Robert Billard Billard Architecture Inc. Tel: (604)-619-0529 1年19i为f场2#@ billardarchitecture.ca

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Name:

Please provide your name and address below: (optional)

Address:	19/3 FIR SI			
What is your position on the development proposal application? (Please circle your preferred response)				
SUPPORT the proposal.	l am UNDECIDED on the proposal.	I OPPOSE the proposal.		
Please	provide your comments in the bo	ox below:		
I UNDERSTAN	D WHY NEW R	EVIAL UNITS		
Ani Necessary	. The Problem	Thes is THAT		
THE RENT W	LL BIE TOO HIGH	1. BeINGON		
A Fixen Iuco	me I CANITI	AFFORD IT		
Unless Some	OF THE UNITS	ALIE SUBSIDEZEL		
71-	truk-you.			
Thank you for your participat	ion. If you have any questions, pleas	se contact the following:		

I want to contact the APPLICANT ...

Robert Billard

Email: avonhausen@whiterockcity.ca Page F20ibfc524@billardarchitecture.ca

Billard Architecture Inc.

Tel: (604)-619-0529

I want to contact the CITY ...

Athena von Hausen

Tel: (604)-541-2159

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Name:

Address:

Planner, City of White Rock

Tel: (604)-541-2159

Please provide your name and address below: (optional)

What is your position on the development proposal application? (Please circle your preferred response)		
I SUPPORT the proposal.	am UNDECIDED on the proposal.	I OPPOSE the proposal.
Please pi	rovide your comments in the box b	elow:
if more rente	als needed, if	
is lite may	be controversi	al,
one would	be less = sites,	like 1544 Fit
uld be more	e suitable - May	be with an 8
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1 pushers to d	leal with who	can relocat
sily with the	price paid per	einst-Noone
ould complai	n - Owners are r	eady for offers
interested or	another investor, con	stack FIONA at
Thank you for your participation	on. If you have any questions, please co	ntact the following: 604 83
I want to contact the	e CITY I want to contact	the APPLICANT
Athena von Hausen	Robert Billard	the Affilianti III

Robert Billard

Email: avonhausen@whiterockcity.ca Page F27916 fc5274 @billardarchitecture.ca

Billard Architecture Inc.

Tel: (604)-619-0529

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Name:

Address:

Please provide your name and address below: (optional)

What is your position on the development proposal application?

(Please circle your preferred response)			
I SUPPORT the proposal.	I am UNDECIDED on the proposal.	I OPPOSE the proposal.	
Please p	provide your comments in the bo	x below:	
Dim Veres (a)	guerned.		
I feel the Bu	ulding is to	20 high,	
The designe	doesn't fer	ilituet to ou	
Towns Home	Ness 1		
Dabo Ge	elit es toc	high!	
Thope it	2nt Built-	7 -	
T			
Dwish gu	eld menle	juen ideal	
to a de Pale	nt Oity - V		
Thank you for your participat	ion. If you have any questions, please	contact the following:	

Robert Billard

Email: avonhausen@whiterockcity.ca Page P22 bf 152 pt @billardarchitecture.ca

Billard Architecture Inc.

Tel: (604)-619-0529

I want to contact the APPLICANT ...

I want to contact the CITY ...

Athena von Hausen

Tel: (604)-541-2159

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04-1448 Fir St. 604 789 8600

ISARCL STOURCK

I want to contact the CITY ...

Athena von Hausen

Tel: (604)-541-2159

Planner, City of White Rock

Name:

Address:

am UNDECIDED on the proposal.	I OPPOSE the proposal.
ovide your comments in the bo	x below:
esu't represent a go	sein of 55 appelies
afferdable ones, an	of I have a ha
d-	
ouncil do consider	the unpad of
inmediate reid	Sourboad, unt o
Sud also usise 8	emissions (i.e
(ling). We have als	eady put up wit
Rock in the last	couple of years
rishing residents	while welcour
	ovide your comments in the box esu t represent a ga affordable ones, an ouncil do consider inneediate regit Set also noise 8 line). We have als Rock in the last

I want to contact the APPLICANT ...

Robert Billard

Email: avonhausen@whiterockcity.ca Page 123616f624@billardarchitecture.ca

Billard Architecture Inc.

Tel: (604)-619-0529

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Please provide your name and address below: (optional)

Name:	miz.	Doucette		
Address:	#106	ROCK, BC	Street	
	White	ROCK, BC	MBUR	57
		position on the deve	elopment prop	
		(Please circle your pr	eferred response)	
SUPPORT	the proposal.	l am UNDECI I propo		I OPPOSE the proposal.
-	Pleas	e provide your comr	nents in the be	ox below:
- There	15 10	enough	worker	if there is
a fire	to go	around a	s if m	if there is
			/	
		N		
		4. N.		
Thank you	for your particip	pation. If you have any	questions, pleas	se contact the following:

I want to contact the CITY ...

Athena von Hausen

Tel: (604)-541-2159

Planner, City of White Rock

I want to contact the APPLICANT ...

Robert Billard

Email: avonhausen@whiterockcity.ca Page 15246 f 1524 billardarchitecture.ca

Billard Architecture Inc.

Tel: (604)-619-0529

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Name:		
Address:		
What is your po	sition on the development pro (Please circle your preferred response)	posal application?
SUPPORT the proposal.	l am UNDECIDED on the proposal.	I OPPOSE the proposal.
Please p	rovide your comments in the b	ox below:
	about more troops injuly zoned reside	Alc consestion uttal
O concerns ab	out adequate to outston in whoch oraposed develop	Kin 15th

I want to contact the CITY ...

Athena von Hausen
Planner, City of White Rock
Tel: (604)-541-2159
Email: avonhausen@whiterockcity.ca

Page

I want to contact the APPLICANT ...

Robert Billard
Billard Architecture Inc.
Tel: (604)-619-0529

F25ilopbeza@billardarchitecture.ca

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

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Name:	1 MIDDLETON	1
Address:		
•	ion on the development propo (Please circle your preferred response)	osal application?
I SUPPORT the proposal.	I am UNDECIDED on the proposal.	I OPPOSE the proposal.
Please pro	vide your comments in the bo	x below:
THIS Comm	unity Despe	enry NEEDS
NOW RENTAL	supply. THE	CARRENT
Supply 15	OUT DATED AN	D DOES NOT
SUPPORT THE	community.	
THIS PROPOSI	AL IS MODEST 1	N SIZE AND
WILL HELP SC	IPPORT THE L	ACK OF SUPPLY
WE NED TO R	EMEMBER THI	5 BULDING
WILL BE HERE	For SOT YEAR	ns walled He
HELP Support	THE POPULATION	ON CAROWTH.
PLEASE	APPROVE WE	ENEED IT!
Thank you for your participation	. If you have any auestions, please	contact the following:

I want to contact the APPLICANT ...

Robert Billard

Email: avonhausen@whiterockcity.ca Page 1520 16 1520 Page 1520 Pag

Billard Architecture Inc.

Tel: (604)-619-0529

I want to contact the CITY ...

Athena von Hausen

Tel: (604)-541-2159

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Please provide your r	name and address below: (optional)
Name: Barbara Address: 14728 1	Jeper Reper Avenue.
• • •	the development proposal application? rcle your preferred response)
SUPPORT the proposal.	UNDECIDED on the proposal. proposal.
Please provide yo	our comments in the box below:
are owned the	White Burch - 1485 Fir
Strut and due	to the high cost of
running and main	taining the birtding
had to Sell. all	TENANTS WERE Told
that it was sol	das a development
property of they	all understood that.
The costs - Pri	operty taxes, insurance,
heat hot water,	naintenance & Propair
reause a higher	density for it be to
	White Rock needs now
Thank you for your participation. If you	have any questions, please contact the following: Rental Dislary
I want to contact the CITY	I want to contact the APPLICANT
Athena von Hausen Planner, City of White Rock Tel: (604)-541-2159	Robert Billard Billard Architecture Inc. Tel: (604)-619-0529

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Name:

Address:

Please provide your name and address below: (optional)

What is your position on the development proposal application?
(Please circle your preferred response)

I SUPPORT the proposal.	I am UNDECIDED on the proposal.	I OPPOSE the proposal.
Please p	rovide your comments in the box	k below:
I think higher	density and of	nemendens
more green	space is a !	wind overall
principle I	would like the	is proper
to be higher +	n example an Fo	AR of 4 to 5.
If the love	n mainland Co	ntinues to
have increased	negalation (a	s anticipates
then Lousing of	Lowers are ne	cessary to
meserol par	ks and agrice	etund land
	No.	
Thank you for your participati	on. If you have any auestions, please	contact the following:

Robert Billard

Email: avonhausen@whiterockcity.ca Page F28ibfc52r4@billardarchitecture.ca

Billard Architecture Inc.

Tel: (604)-619-0529

I want to contact the APPLICANT ...

I want to contact the CITY ...

Athena von Hausen

Tel: (604)-541-2159

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Name: HARO	es Chisasson	
Address: 1022	Preirie PL XX	ELTA
What is your p	osition on the development propo (Please circle your preferred response)	sal application?
SUPPORT the proposal.	I am UNDECIDED on the proposal.	I OPPOSE the proposal.
Please	provide your comments in the box	below:
The project.	seens to be	'night
sized " wii	the 80 outles,	in
a dessirable	location.	
The mix of	ouites offere	d will
allow for a	variety of fa	nily
Con figurateon		
Thank you for your particing	tion. If you have any questions, please	contact the following:

I want to contact the CITY		I want to contact the APPLICANT
Athena von Hausen		Robert Billard
Planner, City of White Rock		Billard Architecture Inc.
Tel: (604)-541-2159		Tel: (604)-619-0529
Email: avonhausen@whiterockcity.ca	Page	

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Please provid	de your name	and address belo	w: (optional)
Name:			
Address:			
What is your pos		evelopment proper preferred response)	osal application?
I SUPPORT the proposal.		ECIDED on the posal.	I OPPOSE the proposal.
Please pr	ovide your co	mments in the bo	x below:
I SUPPORT THE PA	agreet.	I BULLIN	E MOR RENTAL
I SUPPORT THE PA	cas in	WHITE IZE	Ue,
,			

Thank you for your participation. If you have any questions, please contact the following:

I want to contact the CITY	I want to contact the APPLICANT
Athena von Hausen	Robert Billard
Planner, City of White Rock	Billard Architecture Inc.
Tel: (604)-541-2159	Tel: (604)-619-0529
Email: avonhausen@whiterockcity.ca Pac	ge 150 6 coper @billardarchitecture.ca

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	Please provide your name and address below: (optional)
Name:	FAN MAC LENNAN
Address:	FAN MAC LENNAN 13986 BlackBURN AVE, Whito Rock
Wh	nat is your position on the development proposal application? (Please circle your preferred response)
I SUPPORT the p	proposal. I am UNDECIDED on the proposal.
	Please provide your comments in the box below:
- More	E RENTAL HOUSING NEEDED.
- N3(C	SH BOURHOOD HELDS UPDATING
Thank you for y	your participation. If you have any questions, please contact the following:

I want to contact the CITY	300	I want to contact the APPLICANT
Athena von Hausen		Robert Billard
Planner, City of White Rock		Billard Architecture Inc.
Tel: (604)-541-2159		Tel: (604)-619-0529
Email: avonhausen@whiterockcity.ca	Page	Empilo foto pra@billardarchitecture.ca

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

Please provide your name and address below: (optional)

Please note that your completed feedback form will be disclosed to the public and presented to Mayor and Council as part of the information package attached to this development proposal application. Any personal information or commentary you provide on this document will form part of the public record.

Name: PAT P	ETRACA	
Address: 50	20 NIBLUFF	
What is your po	sition on the development prop (Please circle your preferred response)	oosal application?
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Thank you for your participat	ion. If you have any questions, plea	se contact the following:
		te06-
I want to contact th	ne CITY I want to con	tact the APPLICANT
Athena von Hausen Planner, City of White Rock Tel: (604)-541-2159 Email: avonhausen@whitero	Robert Billard Billard Architecture Tel: (604)-619-0529	

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

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Pauline Paton

I want to contact the CITY ...

Athena von Hausen

Tel: (604)-541-2159

Planner, City of White Rock

Name:

Address:

Please provide your name and address below: (optional)

What is your position on the development proposal application?

(Please circle your preferred response)

101-1475 FIR St. WHITE KOCK, B.

SUPPORT the proposal.	I am UNDECIDED on the proposal.	I OPPOSE the proposal.
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on a budget.	I am not p	proposed
	ding. East!	
Thank you for your participati	on If you have any allestions please	contact the following:

I want to contact the APPLICANT ...

Robert Billard

Email: avonhausen@whiterockcity.ca Page 180664924@billardarchitecture.ca

Billard Architecture Inc.

Tel: (604)-619-0529

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

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Please provide your name and address below: (optional)

Name:	GEORG	E WARTTIG	
Address:	14-75	FIR ST.	
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Robert Billard

Email: avonhausen@whiterockcity.ca Page 1846f624@billardarchitecture.ca

Billard Architecture Inc.

Tel: (604)-619-0529

I want to contact the APPLICANT ...

I want to contact the CITY ...

Athena von Hausen

Tel: (604)-541-2159

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

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Please provide your name and address below: (optional)				
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Address:	1483	(MARINE)	R	
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I want to contact the CITY ... I want to contact the APPLICANT ...

Athena von Hausen Planner, City of White Rock Tel: (604)-541-2159

Email: avonhausen@whiterockcity.ca

Robert Billard Billard Architecture Inc. Tel: (604)-619-0529

Page f33i6f0524@billardarchitecture.ca

Rezoning & Major Development Permit Proposal Application No. 19-009 - 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

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	ide your name and address belo				
Name:	me: Trus Quivoga				
Address:	F 207-1475-Fir St. White Rock.				
What is your position on the development proposal application? (Please circle your preferred response)					
SUPPORT the proposal.	I am UNDECIDED on the proposal.	I OPPOSE the proposal.			
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I want to contact the CITY	I want to contact the APPLICANT
Athena von Hausen Planner, City of White Rock Tel: (604)-541-2159 Email: avonhausen@whiterockcity.ca	Robert Billard Billard Architecture Inc. Tel: (604)-619-0529 Page 1966每24@billardarchitecture.ca

From: <u>Carl Isaak</u>
To: <u>Athena von Hausen</u>

 Subject:
 FW: 1075/1085 Fir Street, White Rock, BC

 Date:
 Wednesday, May 22, 2019 2:24:00 PM

Ms. Brearley has emailed Carl J on several occasions and this email is the most recent and detailed correspondence from her regarding her concerns with redevelopment of the 1485 Fir Street (building addressed as 1475 Fir Street) property where she lives.

From: Elizabeth Brearley <elizabethbrearley@hotmail.com>

Sent: Sunday, May 19, 2019 10:45 AM

To: Darryl Walker <DWalker@whiterockcity.ca>; David Chesney <DChesney@whiterockcity.ca>; Helen Fathers <HFathers@whiterockcity.ca>; Erika Johanson <EJohanson@whiterockcity.ca>; Scott Kristjanson <SKristjanson@whiterockcity.ca>; Anthony Manning <AManning@whiterockcity.ca>; Christopher Trevelyan <CTrevelyan@whiterockcity.ca>; Carl Johannsen <CJohannsen@whiterockcity.ca>; Carl Isaak <CIsaak@whiterockcity.ca>

Subject: Re: 1075/1085 Fir Street, White Rock, BC

To His Worship the Mayor and White Rock City Councillors:

We, the tenants of the above property are aware that the owner of 1062822 BC Ltd. has submitted an OCP Amendment, a Zoning Bylaw Amendment and a Major Development Permit Application for the above property, which is a 25 unit rental property, not 24 as mentioned in the application. The mailing address is 1475, not 1485 as stated in the application. I understand this is an error on the part of City Hall.

We sent you a letter and a signed petition by the residents on February 11th 2019 stating our concerns and dismay at being evicted from our homes.

In the information given to us on May 14th 2019, by Mahdi Heidari on behalf of 1062822 BC Ltd., we would like to point out the following mis-information:

- The building has 25 suites not 24
- It has a state of the art heating system
- All windows were replaced with double-glazed high quality windows
- Blinds have been replaced
- New carpets have been installed in all suites
- Light fixtures and electrical outlets have been replaced in all suites

- WiFi is installed in the building for tenants use
- Telus installed optic fibre throughout the building last year

This building is not derelict and has been well maintained by the previous owners over the years.

Many of the tenants have lived here for over 20 years and are in their seventies and eighties. No one is on welfare. We are a very quiet and respectable community. There are no drugs or smoking in the building. There are 4 suites on the 3rd floor and they are occupied by young working adults. Rents are between \$800 and \$1150 per month. Since 1062822 BC Ltd. took over the building in November 2018, 1 tenant has died and 2 have moved into care homes. These suites have been re-rented at \$1,100 and \$1,300 per month. The new owners appear to be letting the building slide into disrepair. We are determined not to let this happen, so now we, the tenants, are now maintaining the building, cleaning the hallways, laundry room and cutting the grass at no cost to the owners. How can these owners morally do this to us? We are happy community that look out for each other. We are all stressed to the max with this hanging over our heads. Where will we go? As you know, market rents are astronomical and not affordable by this community.

Please do not let these greedy developers, who are not familiar with the area, throw us out of our homes. We do not know who they are. We do not know if the money is coming from off-shore and we do not know if the profits will be sent offshore!! They are hiding behind a numbered company.

We hope this information will help you in determining your consideration at the Land Use and Planning Committee.

We invite you all to come and visit the building to see for yourselves what a great community we have here. We will be happy to show you around.

With much respect and best regards,

Elizabeth Brearley-Warttig (on behalf of the tenants of 1475 Fir Street, White Rock, BC)

Tel: 778-294-0647

April 3, 2019

City of White Rock 15322 Buena Vista Avenue White Rock, BC V4B 1Y6

Attn: Carl Johannsen,
Director of Planning and Development

Dear Sir:

Re: 1475 Fir Street, White Rock, BC

Our building was sold to a Vancouver developer last fall. It is our understanding that the developer is planning to tear down the building. My husband and I are the caretakers of this rental building and we, along with the rest of the tenants, are concerned for the welfare of the tenants. This building is solid and well maintained. It is not a "slum". Most of the tenants are elderly, with low incomes. We are a close community that takes care of each other.

We are well aware of your Policy No. 514 (Tenant Relocation).

Why tear down a perfectly good building, for some greedy Vancouver developer?

Other properties that are being developed within the community are on land that was not occupied by residents of White Rock and no one lost their homes.

I enclose a letter that I have written to the Mayor and Council, signed by all the residents. Two councillors have responded.

We are prepared to do whatever it takes to keep our homes.

Best Regards,

Elizabeth Warttig - Suite 104 Tel: 778-294-0647 elizabethbrearley@hotmail.com

Residents of 1475 Fir Street, White Rock, BC V4B 4B5				
Suite No.	Name	Signature /	<u>Telephone</u>	
101	Pauline Paton	Polly Pater 10	604-990-032V	
102	Lillian King (45)	Joseian Kine	7	
103	Peggy Best	MBest	604-379-7997	
104	George Warttig (68)	George Wently	778 968 1947	
104	Elizabeth Warttig	& West to To	778-294-0647	
105	Maria Tajaro (17)	Moriano Ellon		
106	Mike Becker	Mr. Bed	604.791.2537	
107	Sadie Hadley	'Sadie Hadley (87	604-536-8559.	
108	Judy Belanger	SBelonger	604-536-3342	
109	Dan Jarvis	Total		
109	Sharon Jones	8. your		
201	Tony Brugger	151-	604-531-8490	
201	Mrs. Brugger	a. Brugge	11	
202	Charles Bryant	Compr	604-535-4634	
203	Julia Rache	Hacher	604-733-3349	
204	Elena Udot (65)	C. Udely	GOOG 778-5458024	
205	Chris McRae ,	Brichae	#78-835-9699	
206	Cindy Olynyk	Mindy Oleniek.	604-536-9880	
207	Leona Burnell	ALZEMER\$		
208	Sharon Wallace			
209	Jordon Hat Comeron	pa	604-836-7332-	
210	C . Intile	,		
211	Celine Chidlow	Behdow (95)	604-536-4749	
212	Jillian Andrews	Gillian Anhero	604-536-0886	
301	Maria SIMPSON	Hora Smyr	778-552-3926	
302	Ken Romaniuk	KRING	604-626-1976	
303	Neil McEathron (%)	1. E. Me Eath	778 232 5976	
304	Don Mooney	100m	604 771-1796	
		11 //		

From: Sadie Hadley
To: Planning
Subject: tenant

Date: Tuesday, May 21, 2019 3:31:59 PM

I am a tenant at 1485 Fir st. in White Rock which has been bought by developers. I have lived here over 11 years and am 87 yrs. old because an development permit application has been made I have put my name in a senior residence with a 6-12 month waiting list. My question is if a space comes available am I still eligible for the Tenant Relocation package or is it only after the developers have City approval and permits are approved. Thanks Sadie

From: <u>Maret Erickson</u>
To: <u>Athena von Hausen</u>

Subject: 1485 Fir Street, White Rock, B.C.

Date: Friday, December 13, 2019 1:46:43 PM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Athena

I was unable to attend the public information meeting held on December 12, 2019. This is to advise that I support the project planned for 1485 Fir Street, White Rock, B.C.

Maret Erickson

From: <u>Elizabeth Brearley</u>
To: <u>Athena von Hausen</u>

Subject: Public Information Meeting December 12, 2019 **Date:** Priday, December 13, 2019 11:12:34 AM

Attachments: Public Meeting Dec-12-2019.odt

IMG 20191213 0001.pdf Letter to Johanssen Apr-3-2019.odt

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Ms. Von Hausen:

My name is Elizabeth Warttig and my husband and I attended the above meeting last evening. We mistakenly thought that it was a meeting that we could speak to. Many of the residents of 1475 Fir Street did not attend because they intended that I speak for them. Therefore I am attaching the letters and petition that was signed by all the residents last February. Your department may already have a copy. The Mayor and Council received a copy of this petition and letter also in February.

I did not see you at the meeting, or I would have given you the letters and the petition at that time. We are very opposed to this development. My comments to the planning department on behalf of the tenants of 1475 Fir Street, are below.

Regards, Elizabeth

My name is Elizabeth Warttig and I am representing the residents of 1475 Fir Street, who signed a petition in February of this year to protest the eviction of 30 people from this building. It was presented to the White Rock City council, along with a letter and forwarded to the planning department. We live in sound affordable housing. This building is not derelict and we respectfully ask that you do allow this unknown developer to evict us and tear down a perfectly sound building. I have researched the rental market in the White Rock South Surrey area for a year now and the average rents are much higher than those we are paying now. In fact they have increased considerably in November. The average for 1 bedroom is now \$1,500 and for a 2 bedroom the average is \$2,200. Burnaby has recently passed a revised residents assistance policy, which asks the developer to top up rents for tenants that

have been evicted and allow them back to the new building at the same cost of the rents that they are currently paying. I would suggest that the City of White Rock make that amendment to their policy.

We are a close knit community who look after each other. Many are elderly tenants who have lived there for 20 years. Some tenants are struggling young people on minimum wages. We cannot afford the so called market rents. Some of us have been subject to harassment and intimidation by the representative for our building, which has been reported to the Residential Tenancy Branch. It has been very traumatic and upsetting for the tenants. 17 new highrises have been slated for construction in White Rock. Those that have already been completed are struggling to fill them.

Everyone is stressed by the uncertainty of where they will go. As you are aware there is no affordable housing in White Rock and I urge you to consider this and do not have us evicted from our homes.

Thank you.

From: Barbara Holm

To: Athena von Hausen

Subject: Development Project 1485 Fir Street

Date: Sunday, December 15, 2019 3:14:09 PM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Athena,

Thank you for listening at the information meeting December 12th.

As I outlined to you White Rock will soon be facing significant problems due to the ageing infrastructure of virtually all the rental buildings that date primarily from the 60's. They are expensive to run and maintain - lacking modern energy efficient building envelopes, windows, pipes and wiring that are expensive to replace and also to maintain. The small number of apartments relative to the size of the lots they are built on make the property taxes and other fixed costs, heat, water, gas, recycling, garbage quite exorbitant even before the high cost of maintenance is added. Just maintaining heat in suites in winter with 60 year old equipment(despite new boilers etc)had become a major, very time consuming, challenge - the great majority of plumbing contractors are not even familiar with these issues - even if OEM parts are available - which frequently they are not meaning that it is necessary to substitute with after market parts. These areas of concern will grow exponentially with ageing.

There are many significant advantages to dedicated rental buildings in comparison to condo's where tenants are at the mercy of individual owners and tend to be shorter term in most case.

I was concerned about some of the misconceptions and misunderstandings that many of the tenants from the building had. From money laundering and shady accounts to a total lack of trust and understanding of the commitments required by the developer in order for him to attempt to redevelop the site was misinformed and rather scary. We explianed to all tenants in the building that we could no longer manage to deal with the maintenance ourselves and it would have been too expensive to hire a management company with the already high overhead costs and this would have been reflected in much lower maintenance levels.

I do not want to just ramble here so please contact me if you, Carl, or anyone else have any questions.

My husband and I feel that a dedicated rental building on such a convenient location would be a tremendous asset to the community and a huge benefit to tenants who would have the convenience of a safer modern building with all that new technology has to offer.

Kind Regards, Barbara Holm 604 535 3585 From: <u>Mahmoud Mahmoud</u>
To: <u>Athena von Hausen</u>

Cc: robert@billardarchitecture.ca; MobileMe

Subject: Support for Proposed Rental Development Project: 1485 Fir St, White Rock

Date: Monday, December 16, 2019 5:55:23 PM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Attention: Athena von Hausen

Dear Ms. von Hausen,

I am writing in support of the above-referenced Rental Development project that is being proposed by C2C Construction. I understand that you will accept email communications from those who were unable to attend the Public Meeting that was held on the project last Thursday.

As someone who visits White Rock frequently, I understand that the City of White Rock has close to zero rental vacancy. Therefore, I am in support of any development which promotes rental accommodation for those who may wish to live in your beautiful municipality, but cannot afford to buy there. To that end, it seems very obvious that any developer that wishes to build rental accommodation in White Rock should be supported by the municipality.

I understand that the proposed project at 1485 Fir Street will be replacing an almost 60 year-old building into a brand new 80-unit fully rental property. I also understand that most of the current rental buildings in White Rock are old and poorly maintained, with no elevator, ramp or other amenities which are needed by the community's senior citizens. Given the location of the site to White Rock's town centre, it escapes me as to what barriers the municipality sees in approving this project. In the circumstances, I respectfully ask that the city support this fully rental development to address the current rental shortage in White Rock.

I'm copying the project architect, Mr. Robert Billard, so that he is aware of the support that this member of the public wishes to lend this worthy rental development project.

Yours truly,

Mahmoud Mahmoud, PhD, FEC mahmoudmahmoud@icloud.com

From: Michelle Guy
To: Athena von Hausen
Subject: 1485 Fir Street

Date: Monday, December 16, 2019 8:29:05 PM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear City of White Rock,

I write to express my support of this project. I was not able to attend the information meeting with council due to other commitments but thought I would send in my two cents, for what it is worth.

White Rock is a beautiful area and my mother, retired, very much would like to live there. She has a decent pension but does not have the asset base that would allow her to buy. As a result she rents and likely always will. That does not limit her ability to contribute to the local economy of coffee shops and local artists.

We have looked for a place for her and have only found either dated rental housing or basement suites. I was excited to see a proposal that might well meet her long term needs.

I do hope that City Council will see the wisdom in encouraging modern new builds for middle income people who are not able or interested to buy homes but would still prove to be valuable and desirable members of your community.

Michelle

From: Parastoo Shirazi
To: Athena von Hausen
Cc: robert@billardarchitecture.ca
Subject: 1485 Fir St white Rock

Date: Monday, December 16, 2019 6:15:53 PM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Avon Hausen,

Regrettably I was not able to attend the public information meeting for 1485 Fir St project in White Rock, yet I would like to express my support for the below reasons:

Most rental buildings in White Rock are older developments. The current building is 60 years old, it is of great timing to have the old building replaced with a new rental building.

White Rock would benefit from attracting younger population, to sustain and attract the younger population, newer rental buildings with such unique designs would offer attractive housing solutions for the younger population who are yet unable to afford to purchase properties.

White Rock's beautiful demographics could be supplemented by par rental buildings attracting great dynamics to the community.

Thanks

Parastoo Shirazi

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From: Teresa Leung
To: Athena von Hausen
Control Report Chillendoushith

Cc: robert@billardarchitecture.ca

Subject: 1485 Fir Street, Whitebirch Apartments

Date: Monday, December 16, 2019 10:47:51 AM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Athena (City of White Rock),

I am in support of the new rental development, Whitebirch at 1485 Fir Street to address the current rental shortage in White Rock. There are many people who cannot purchase, who NEED to rent, therefore, this project will greatly help those individuals, since the current vacancy rate is almost zero at this time. Please do what you can to push this project forward.

I can be reached at 604-618-2128 should you have any questions.

Best wishes,

Teresa Leung

This communication, including attachments, is confidential, may be subject to legal privileges, and is intended for the sole use of the addressee. Any use, duplication, disclosure or dissemination of this communication, other than by the addressee, is prohibited. If you have received this communication in error, please notify the sender immediately and delete or destroy this communication and all copies. Thank you.

From: Farid Kazemzadeh
To: Athena von Hausen

Cc: LEED AP

Subject: Rental Building Proposed

Date: Tuesday, December 17, 2019 4:04:12 PM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Athena,

I wanted to take this time to show my support for the rental building proposed at 1485 Fir Street. Firstly, the building proposed fits well within the neighbourhood given its design. But even more important, the City has very little rental opportunities which make it very hard to find a suitable place to live. We need newer rental buildings for both younger families and the baby boomer generation.

I hope the City makes the right decision to approve this proposed development and more rental buildings in the future.

Best regards, Farid K From: Yolande Levasseur
To: Athena von Hausen

Cc: <u>robert@billardarchitecture.ca</u>

Subject: Proposed building project at 1485 Fir street White Rock

Date: Thursday, December 19, 2019 5:42:02 PM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern,

I am writing to you to indicate my support of a rental building project awaiting city approval. The address of this project is 1485 Fir Street in White Rock.

I'm a 69 year old woman and, although I'm in excellent health right now, I can see the writing on the wall when I will not have the energy or the ability to trek up four flights of steps. The design of this proposed rental property has all the amenities I would want in the near future and, furthermore, has a lot of style without being ostentatious. I believe it would fit very well in a neighbourhood that is progressive, offering sound housing accommodations in a classy-looking building.

Respectfully, Yolande Levasseur

Sent from my iPad

From: Derek Townsend
To: Athena von Hausen
Cc: robert@billardarchitecture.ca
Subject: 1485 Fir St white Rock Support

Date: Tuesday, December 17, 2019 11:35:53 AM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Athena,

I am email to express my support for the rental apartment development at 1485 Fir Street. I think new rental supply is key for our unaffordable market and any supply is great as we have had such a lack over the years.

The design is smart and well thought out and the only comment I would add is that it should be twice as big with twice as many units.

--

Derek Townsend 604.812.8312 dwtownsend@gmail.com

Public Feedback Summary Report



DEVELOPMENT APPLICATION FILE NO. 19-009



PREPARED BY BILLARD ARCHITECTURE INC. JANUARY 8, 2020





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Overview

A Public Information Meeting was hosted by Billard Architecture at ThirdSpace Community Café, Unit #1 - 1381 George Street from 5:30 PM to 7:00 PM on Thursday, December 12, 2019 to discuss a development proposal application located at 1485 Fir Street, White Rock, BC. The purpose of this Public Information Meeting was to provide surrounding residents and business owners with an opportunity to provide their feedback on the proposal.

A Zoning Amendment and a Major Development Permit application have been submitted to allow for the construction of a six-storey multi-unit rental residential building over two levels of underground parking. The property is an existing rental building and the development would be subject to Council's Tenant Relocation Policy. The proposed use, height, and density is consistent with the Town Centre Transition Land Use Designation in the Official Community Plan.

Physical feedback forms and feedback letters sent by email were collected by the City of White Rock. Original feedback comments are presented as submitted, and have not been edited for spelling, grammar, or accuracy.

Total responses for 1485 Fir Street Feedback submitted:

Paper Feedback Form: **25** Feedback by Email: **11**

Responses:

In favour of Proposal: 19

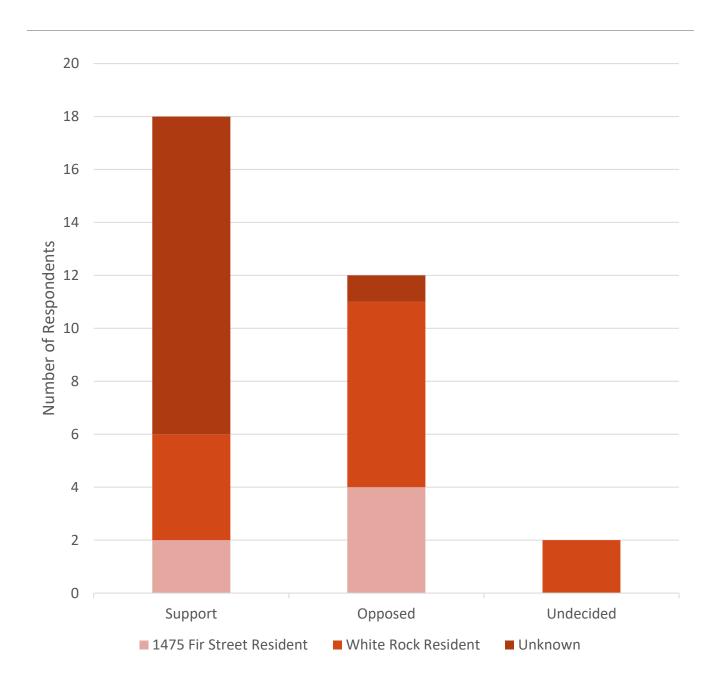
Opposed to Proposal: 12 – multiple responses from two individuals counted as single response for each

Undecided of Proposal: 2

Unrelated to Proposal: 2



Feedback Data





Public Feedback Comments & Billard Architecture Inc. Responses

Support	Public Feedback Comments
1	The building/property owner has ambition to redevelop his property, it would be 'daffy' of me to oppose his wishes. He has assured me that all obligations placed on him by the province and the City of White Rock will be observed.
2	I highly recommend the building. In White Rock we have over 10% old age personnel who have difficulty climbing steps. This will be the first building in over 30 years to have elevators to help the elderly and help people have affordable housing finally.
3	This is exactly the kind of development this city needs. This is NOT a condo project - it is a RENTAL building. This is very much needed as all the current rental buildings are very old with no elevators, which is terrible for seniors as well as all others. I strongly support this project. It is very good for the future of White Rock.
4	I have lived at 1475 Fir Street for 9 years. I realize this building is aging and I am happy to move into a 500 sq ft, 1 bedroom. My current rent is \$1,029.00 Market value is my concern, \$1,200.00 is my max for rent as I am a senior on a budget. I am not proposed to a new building. East.
5	More rental housing is needed. Neighbourhood needs updating.
6	I support the project. I believe more rental housing is required in White Rock.
7	This project seems to be "right sized" with 80 suites, in a desirable location. The mix of suites offered will allow for a variety of family configurations.
8	I think higher density and corresponding more green spaces is a sound overall principle. I would like this project to be higher - for example an FAR of 4 to 5. If the lower mainland continues to have increased population (as anticipated) then housing towers are necessary to preserve parks and agricultural land.
9	We owned the White Birch - 1485 Fir Street and due to the high cost of running and maintaining the building had to sell. All tenants were told that it was as a development property and they all understood that. The costs - property taxes, insurance, heat, hot water, maintenance and repair require a higher density for it to be remotely viable. White Rock needs new rental buildings.



Support	Public Feedback Comments
10	This community desperately needs new rental supply. The current supply is outdated and does not support the community. This proposal is modest in size and will help support the lack of supply. We need to remember this building will be here for 50+ years which will help support the population growth. Please approve! We need it!
11	Hello Athena (City of White Rock), I am in support of the new rental development, Whitebirch at 1485 Fir Street to address the current rental shortage in White Rock. There are many people who cannot purchase, who NEED to rent, therefore, this project will greatly help those individuals, since the current vacancy rate is almost zero at this time. Please do what you can to push this project forward. I can be reached at (redacted) should you have any questions. Best wishes, (redacted)
12	Dear Avon Hausen, Regrettably I was not able to attend the public information meeting for 1485 Fir St project in White Rock, yet I would like to express my support for the below reasons: Most rental buildings in White Rock are older developments. The current building is 60 years old, it is of great timing to have the old building replaced with a new rental building. White Rock would benefit from attracting younger population, to sustain and attract the younger population, newer rental buildings with such unique designs would offer attractive housing solutions for the younger population who are yet unable to afford to purchase properties. White Rock's beautiful demographics could be supplemented by par rental buildings attracting great dynamics to the community.



Support	Public Feedback Comments
13	Dear Ms. von Hausen,
	I am writing in support of the above-referenced Rental Development project that is being proposed by C2C Construction. I understand that you will accept email communications from those who were unable to attend the Public Meeting that was held on the project last Thursday.
	As someone who visits White Rock frequently, I understand that the City of White Rock has close to zero rental vacancy. Therefore, I am in support of any development which promotes rental accommodation for those who may wish to live in your beautiful municipality, but cannot afford to buy there. To that end, it seems very obvious that any developer that wishes to build rental accommodation in White Rock should be supported by the municipality.
	I understand that the proposed project at 1485 Fir Street will be replacing an almost 60 year-old building into a brand new 80-unit fully rental property. I also understand that most of the current rental buildings in White Rock are old and poorly maintained, with no elevator, ramp or other amenities which are needed by the community's senior citizens. Given the location of the site to White Rock's town centre, it escapes me as to what barriers the municipality sees in approving this project. In the circumstances, I respectfully ask that the city support this fully rental development to address the current rental shortage in White Rock.
	I'm copying the project architect, Mr. Robert Billard, so that he is aware of the support that this member of the public wishes to lend this worthy rental development project.
	Yours truly, (redacted)
14	Hello Athena,
	I am email to express my support for the rental apartment development at 1485 Fir Street. I think new rental supply is key for our unaffordable market and any supply is great as we have had such a lack over the years.
	The design is smart and well thought out and the only comment I would add is that it should be twice as big with twice as many units.



Support	Public Feedback Comments
15	I wanted to take this time to show my support for the rental building proposed at 1485 Fir Street. Firstly, the building proposed fits well within the neighbourhood given its design. But even more important, the City has very little rental opportunities which make it very hard to find a suitable place to live. We need newer rental buildings for both younger families and the baby boomer generation. I hope the City makes the right decision to approve this proposed development and more rental buildings in the future. Best regards, (redacted)
16	To whom it may concern, I am writing to you to indicate my support of a rental building project awaiting city approval. The address of this project is 1485 Fir Street in White Rock. I'm a 69 year old woman and, although I'm in excellent health right now, I can see the writing on the wall when I will not have the energy or the ability to trek up four flights of steps. The design of this proposed rental property has all the amenities I would want in the near future and, furthermore, has a lot of style without being ostentatious. I believe it would fit very well in a neighbourhood that is progressive, offering sound housing accommodations in a classy-looking building. Respectfully, (redacted)
17	Athena, I was unable to attend the public information meeting held on December 12, 2019. This is to advise that I support the project planned for 1485 Fir Street, White Rock, B.C.
18	Dear City of White Rock, I write to express my support of this project. I was not able to attend the information meeting with council due to other commitments but thought I would send in my two cents, for what it is worth. White Rock is a beautiful area and my mother, retired, very much would like to live there. She has a decent pension but does not have the asset base that would allow her to buy. As a result she rents and likely always will. That does not limit her ability to contribute to the local economy of coffee shops and local artists. We have looked for a place for her and have only found either dated rental housing or basement suites. I was excited to see a proposal that might well meet her long term needs. I do hope that City Council will see the wisdom in encouraging modern new builds for middle income people who are not able or interested to buy homes but would still prove to be valuable and desirable members of your community.



Support

Public Feedback Comments

19

Athena,

Thank you for listening at the information meeting December 12th. As I outlined to you White Rock will soon be facing significant problems due to the ageing infrastructure of virtually all the rental buildings that date primarily from the 60's.

They are expensive to run and maintain - lacking modern energy efficient building envelopes, windows, pipes and wiring that are expensive to replace and also to maintain. The small number of apartments relative to the size of the lots they are built on make the property taxes and other fixed costs, heat, water, gas, recycling, garbage quite exorbitant even before the high cost of maintenance is added.

Just maintaining heat in suites in winter with 60 year old equipment(despite new boilers etc)had become a major, very time consuming, challenge - the great majority of plumbing contractors are not even familiar with these issues - even if OEM parts are available - which frequently they are not meaning that it is necessary to substitute with after market parts. These areas of concern will grow exponentially with ageing.

There are many significant advantages to dedicated rental buildings in comparison to condo's where tenants are at the mercy of individual owners and tend to be shorter term in most case.

I was concerned about some of the misconceptions and misunderstandings that many of the tenants from the building had. From money laundering and shady accounts to a total lack of trust and understanding of the commitments required by the developer in order for him to attempt to redevelop the site was misinformed and rather scary. We explained to all tenants in the building that we could no longer manage to deal with the maintenance ourselves and it would have been too expensive to hire a management company with the already high overhead costs and this would have been reflected in much lower maintenance levels.

I do not want to just ramble here so please contact me if you, Carl, or anyone else have any questions. My husband and I feel that a dedicated rental building on such a convenient location would be a tremendous asset to the community and a huge benefit to tenants who would have the convenience of a safer modern building with all that new technology has to offer.

Kind Regards, (redacted)



Opposed	Public Feedback Comments & Billard Architecture Inc Response
1	There is not enough water if there is a fire to go around as of now
	Response: Fire suppression systems, including sprinklers, will be in effect in all units. Water pressure should be addressed by the City of White Rock Engineering.
2	I oppose the proposal, as it is directly inline with my sunsets and I think it will invade my privacy. No thank you to this project, at the proposed height.
	Response: The designed height meets all zoning restrictions and bylaws set out by the City of White Rock.
3	I understand the zoning will be changed to allow this building to go ahead. Will that effect all older buildings in a close proximity? If so, I am opposed. I live on Fir Street across from proposed building. I understood this meeting would allow questions. A waste of time.
	Response: All new developments and redevelopments are subject to the current zoning and bylaws set out by the City of White Rock. The meeting provided opportunity for individuals to ask questions of the Architect, City Planner, and Developer as all three were present at the PIM.
4	I am worried about so much more traffic in our area with two stories of underground parking and 6 stories. Had the building been 3-4 stories I probably would have supported the proposal. Having more rental places is important but White Rock has been burdened with construction for several years now. Presently it's not that livable.
	Response: The amount of parking is mandated by the City of White Rock based on the number of units within the building. Underground parking reduces the number of vehicles parked on the street and enhances safety and security with well lit areas.
5	Not enough green space (no trees.) Too high blocks sky and sun. Too much more traffic congestion. Ugly design, aggressive front that doesn't blend in with the neighbourhood. Unevironmental to waste a substantial building and send all that quality material to the dump. Why do the community rules keep changing? My home will be devalued as it is submerged into darkness!
	Response: The proposed development provides more trees than are on the existing site and also has been revised in order to not impact the neighbouring trees. The proposed development will be substantially more energy efficient and uses materials with a higher level of recycled content than the existing building. The net result of this development will be significantly more sustainable than the existing building. The process of demolition is mandated to require as much of the existing building as possible to be sorted and recycled.



Opposed	Public Feedback Comments & Billard Architecture Inc Response
6	Concerns about more traffic congestion in an area originally zoned residential. Concerns about adequate to serve a growing population in White Rock in light of this proposed development.
	Response: The existing property's zoning does not change, it will still remain zoned for multifamily residential.
7a	Total farce. Ridiculous.
	Response:
7b	We understood this 'Public' meeting was for us to have our say about the project. We are loosing our homes! I am frankly disgusted.
	Response: The Notice of PIM was very clear that it would be an open house and not a public hearing. The Architect, City Planner, and Developer were present for questions and a feedback form was made available for comments and feedback, allowing for members of the public to voice their opinions.
8	Mahdi is representative for what company. Why all the secrets. We should protect low rental housing not knock them down so some unknown company can build apt to make money. I think this is looking in to find out who these people are.
	Response:
9	I understand why new rental units are necessary. The problem is that the rent will be too high. Being on a fixed income I cannot afford it unless some of the units are subsidized. Thank you.
	Response:
10	I'm very concerned. I feel the building is too high. The design doesn't contribute to our town's homeless! I also feel it is too high! I hope it isn't built. I wish you'd move your ideas to a different city.
	Response: The designed height meets all zoning restrictions and bylaws set out by the City of White Rock.



Opposed Public Feedback Comments & Billard Architecture Inc Response

11a Not allowed to speak. Complete farce. We are not allowed to speak.

Response: The Notice of PIM was very clear that it would be an open house and not a public hearing. The Architect, City Planner, and Developer were present for questions and a feedback from was available for comments and feedback, allowing for members of the public to voice their opinions.

Dear Ms. Von Hausen: My name is (redacted) and my husband and I attended the above meeting last evening. We mistakenly thought it was a meeting that we could speak to. Many of the residents of 1475 Fir Street did not attend because they intended I speak for them. Therefore I am attaching the letters and petition that was signed by all the residents last February. Your department may already have a copy. The Mayor and Council recieved a copy of this petition at that time. We are very opposed to this development. My comments to the planning department on behalf of tenants of 1475 Fir Street are below.

My name is (redacted) and I am representing the residents of 1475 Fir Street, who signed a petition in February of this year to protest the eviction of 30 people from this building. It was presented to the White Rock City Council, along with a letter and forwarded to the planning department. We live in sound affordable housing. This building is not derelict and we respectfully ask that you do allow this unknown developer to evict us and tear down a perfectly sound building. I have researched the rental market in the White Rock South Surrey area for a year now and the average rents are much higher than those we are paying now. In fact they have increased considerably in November. The average 1 bedroom is now \$1,500 and for a 2 bedroom the average is \$2,200. Burnaby has recently passed a revised residents assistance policy, which asks the developer to top up rents for tenants that have been evicted and allow them back to the new building at the same cost of the rents that they are currently paying. I would suggest that the City of White Rock make the amendment to their policy. We are a close knit community who look after each other. Many are elderly tenants who have lived there for 20 years. Some tenants are struggling young people on minimum wages. Some cannot afford the so called market rents. Some of us have been subject to harassment and intimidation by the representative for our building, which has been reported to the Residential Tenancy Branch. It has been very traumatic and upsetting for the tenants. 17 new highrises have been slated for construction in White Rock. Those that have already been completed are struggling to fill them. Everyone is stressed by the uncertainty of where they will go. As you are aware there is no affordable housing in White Rock and I urge you to consider this and do not have us evicted from our homes. Thank you.

Response:



Opposed | Public Feedback Comments & Billard Architecture Inc Response

11c Sent: Sunday, May 19, 2019 10:45 AM

Subject: Re: 1075/1085 Fir Street, White Rock, BC

To His Worship the Mayor and White Rock City Councillors:

We, the tenants of the above property are aware that the owner of 1062822 BC Ltd. has submitted an OCP Amendment, a Zoning Bylaw Amendment and a Major Development Permit Application for the above property, which is a 25 unit rental property, not 24 as mentioned in the application. The mailing address is 1475, not 1485 as stated in the application. I understand this is an error on the part of City Hall. We sent you a letter and a signed petition by the residents on February 11th 2019 stating our concerns and dismay at being evicted from our homes. In the information given to us on May 14th 2019, by Mahdi Heidari on behalf of 1062822 BC Ltd., we would like to point out the following mis-information:

The building has 25 suites not 24. It has a state of the art heating system. All windows were replaced with double-glazed high quality windows. Blinds have been replaced. New carpets have been installed in all suites Light fixtures and electrical outlets have been replaced in all suites. WiFi is installed in the building for tenants use. Telus installed optic fibre throughout the building last year. This building is not derelict and has been well maintained by the previous owners over the years. Many of the tenants have lived here for over 20 years and are in their seventies and eighties. No one is on welfare. We are a very quiet and respectable community. There are no drugs or smoking in the building. There are 4 suites on the 3rd floor and they are occupied by young working adults. Rents are between \$800 and \$1150 per month. Since 1062822 BC Ltd. took over the building in November 2018, 1 tenant has died and 2 have moved into care homes. These suites have been re-rented at \$1,100 and \$1,300 per month. The new owners appear to be letting the building slide into disrepair. We are determined not to let this happen, so now we, the tenants, are now maintaining the building, cleaning the hallways, laundry room and cutting the grass at no cost to the owners. How can these owners morally do this to us? We are happy community that look out for each other. We are all stressed to the max with this hanging over our heads. Where will we go? As you know, market rents are astronomical and not

affordable by this community. Please do not let these greedy developers, who are not familiar with the area, throw us out of our homes. We do not know who they are. We do not know if the money is coming from off-shore and we do not know if the profits will be sent offshore!! They are hiding behind a numbered company. We hope this information will help you in determining your consideration at the Land Use and Planning Committee. We invite you all to come and visit the building to see for yourselves what a great community we have here. We will be happy to show you around.

With much respect and best regards, (redacted) (on behalf of the tenants of 1475 Fir Street, White Rock, BC) Tel: (redacted)

Response:



Opposed | Public Feedback Comments & Billard Architecture Inc Response

11d April 3, 2019

City of White Rock

15322 Buena Vista Avenue

White Rock, BC

V4B 1Y6

Attn: Carl Johannsen,

Director of Planning and Development

Dear Sir:

Re: 1475 Fir Street, White Rock, BC

Our building was sold to a Vancouver developer last fall. It is our understanding that the developer is planning to tear down the building. My husband and I are the caretakers of this rental building and we, along with the rest of the tenants, are concerned for the welfare of the tenants. This building is solid and well maintained. It is not a "slum". Most of the tenants are elderly, with low incomes. We are a close community that takes care of each other.

We are well aware of your Policy No. 514 (Tenant Relocation).

Why tear down a perfectly good building, for some greedy Vancouver developer?

Other properties that are being developed within the community are on land that was not occupied by residents of White Rock and no one lost their homes. I enclose a letter that I have written to the Mayor and Council, signed by all the residents. Two councillors have responded.

We are prepared to do whatever it takes to keep our homes.

Best Regards, (redacted)

Response:

How will this "market" complex serve the needs of the caring community of diverse income levels and comfortable homes. Cubicles/urban micro squished spaces at inflated prices. The builder needs to work with Fed/CMHC and provincial non-profits to enable inclusive better choices. Sterile brutalistic design is financially advantageous for builders profits yet add zip to community feeling.

Response: The homes designed within this project are larger than most market units being designed today. The initial design presented in February was larger and had more units. The revised design provided in July of 2019 is smaller, has fewer, yet larger, units. The design has also been dramatically revised to place the playground and courtyard facing Fir Street, significantly step back the fifth and sixth storeys and to introduce colour and West Coast elements such as wood. The design meets the design guidelines of the City of White Rock.



Undecided	Public Feedback Comments & Billard Architecture Inc Response
1	 1.This development doesn't represent a gift of 55 apartments, but the loss of 25 affordable ones, and I have a hard time supporting that. 2. I would really like council to consider the impact of construction on the immediate neighbourhood, not only in terms of parking, but also noise and emissions (ie heavy equipment idling.) We have already put up with a lot uptown White Rock on the last couple of years. Please consider existing residents while welcoming new ones.
	Response:
2	If more rentals needed, if this site may be controversial. Some would be less sites equal sites, like 1544 Fir would be more suitable. Maybe with 8 storey, in the middle of complexes and only 21 owners to deal with, who can easily relocate with the price paid per unit. No one would complain. Owners are ready for offers. If interested, or another investor, contact (redacted)
	Response:

Other	General Questions & Comments from Public
1	This is an open house - gallery. Not a public meeting for discussion and questions. Thank you.
	Response: The Notice of PIM was very clear that it would be an open house and not a public hearing. The Architect, City Planner, and Developer were present for questions and a feedback from was available for comments and feedback, allowing for members of the public to voice their opinions.
2	I am a tenant at 1485 Fir st. in White Rock which has been bought by developers. I have lived here over 11 years and am 87 yrs. old because an development permit application has been made I have put my name in a senior residence with a 6-12 month waiting list. My question is if a space comes available am I still eligible for the Tenant Relocation package or is it only after the developers have City approval and permits are approved. Thanks (redacted)
	Response:



Appendices

		Page
Αŗ	opendices	
•	Notice of PIM Direct Mail Out	17
•	PIM Display Boards	18 – 32
•	PIM Sign In Sheets	33 - 35
•	PIM Raw Feedback	36 - 77



NOTICE OF PUBLIC INFORMATION MEETING

Development Application File No. 19-009 RE: 1485 Fir Street

PLEASE TAKE NOTICE THAT a Public Information Meeting will be hosted by Billard Architecture at ThirdSpace Community Café, Unit #1 - 1381 George Street from 5:30 PM to 7:00 PM on Thursday, December 12, 2019 to discuss a development proposal application located at 1485 Fir Street (please see Location Map on the other side of this page).

A Zoning Amendment and a Major Development Permit application have been submitted to allow for the construction of a six-storey multi-unit rental residential building over two levels of underground parking. The property is an existing rental building and the development would be subject to Council's Tenant Relocation Policy. The proposed use, height, and density is consistent with the Town Centre Transition Land Use Designation in the Official Community Plan.



Proposal Statistics (approximate)		
Dwelling Units	80	
Parking Spaces	112 spaces	
Height	18.9 metres (6 storeys)	
Density (Gross Floor Area)	2.8 FAR (5707 m²)	

The purpose of this Public Information Meeting is to provide surrounding residents and business owners with an opportunity to provide their feedback on the proposal. This feedback will be used to identify concerns, address issues, and make improvements to the proposal early on in the application process.

The meeting is an open house format where City staff will be in attendance to introduce and monitor the meeting and to report back to Council.

For more information, please contact the City of White Rock at 604-541-2159 or avonhausen@whiterockcity.ca.

Planning and Development Services P: 604.541.2136 | F: 604.541.2153

City of White Rock

15322 Buena Vista Avenue, White Rock BC, Canada V48 1Y6



Public Information Meeting – Direct Mail Out

Location Map of Proposal



1485 Fir Street

PROPOSAL SITE



This proposal for 1485 Fir Street is located near the Town Centre of White Rock with access to a variety of shops and restaurants.

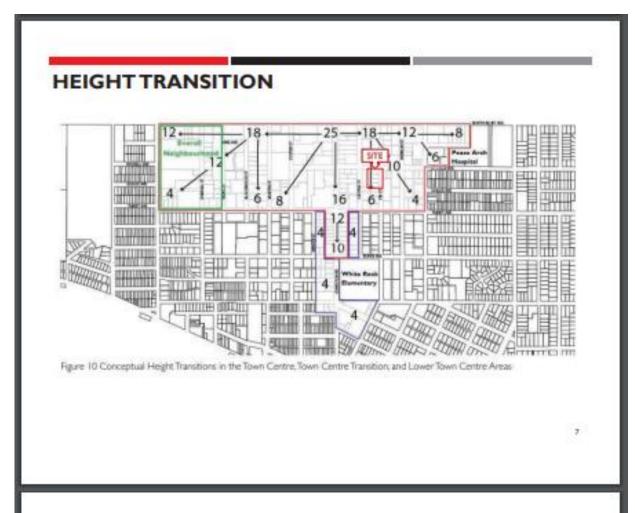
Features:

- Modern, Spacious Rental Apartments
- Amenity Patio on Main Floor
- Patio Courtyard
- Underground Parking

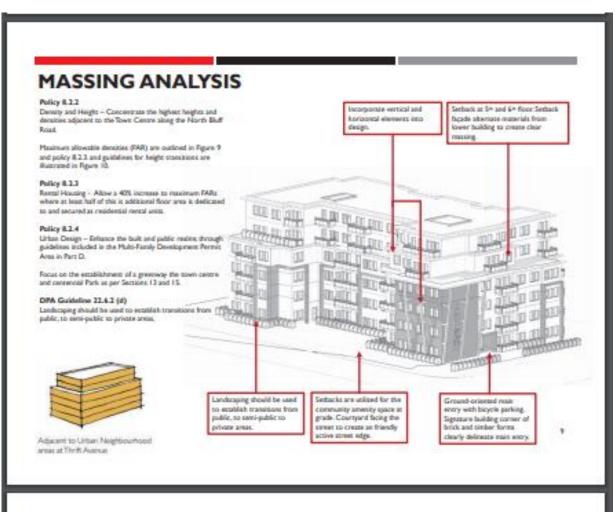
Public Information Meeting – Display Boards

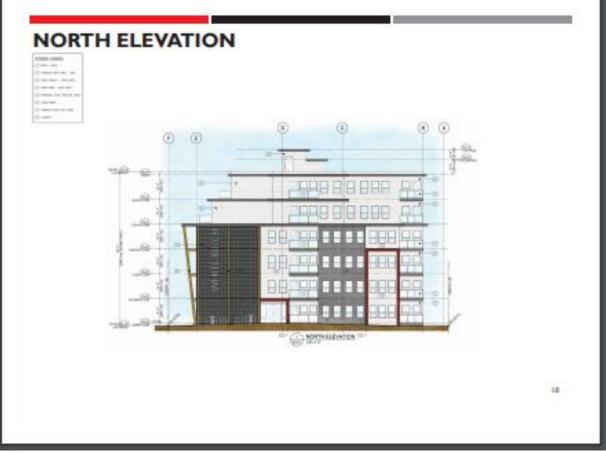
NEIGHBOURHOOD CONTEXT

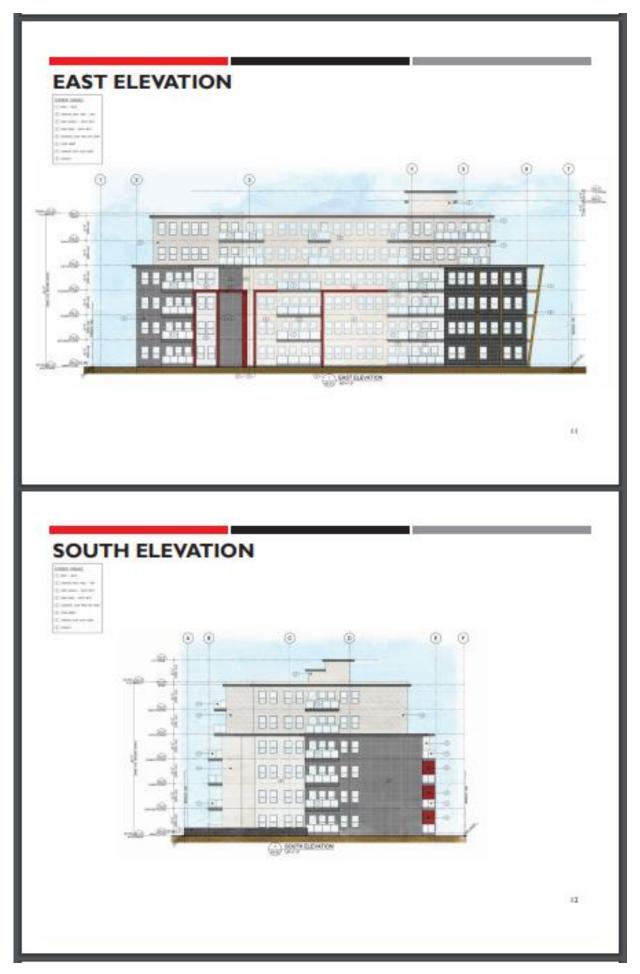


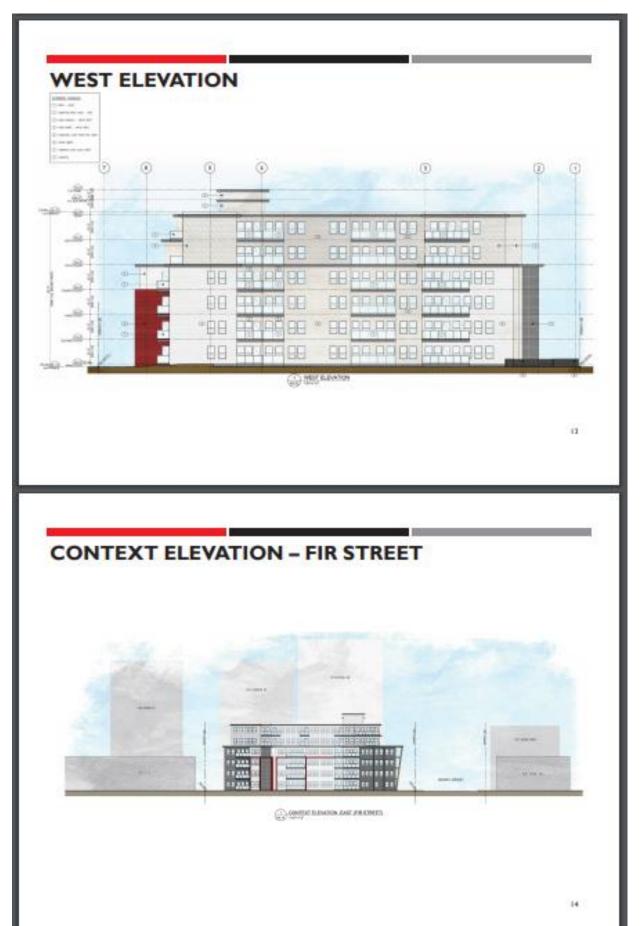












COLOUR ELEVATION & MATERIAL LEGEND



STAINED CEDAR COLUMNS



ALUMINUM



ALLMINUM GUARD RAILS WITH GLASS



STAINED CEDAR SHAKES (GREY)



STAINED CEDAR TRELIS



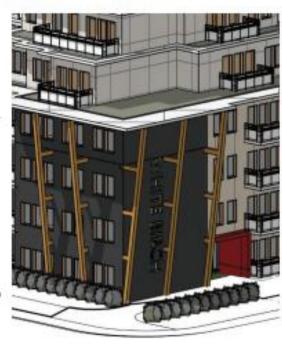
BRICK VENNER (BLACK)



STAINED CEDAR SHAKES



PANEL (WHITE)



DESIGN RATIONALE

Zoning + Density

RM-2

Existing Zoning: Existing Buildings:

Multi-Unit Residential

Existing Height:

3 Storey

Proposed Zoning:

CD, BASED ON RM-4

Proposed Building:

80 Rental Apartments

Proposed Height:

6 Storeys

Location

80 modern rental homes near White Rock Town Centre with walkable access to retail and restaurants.

Within 800 m (10 minutes walking)

Community Services:

- White Rock Elementary School
- White Rock Community Centre
- . Bryant Park
- · White Rock Child Care Centre
- + : White Rock Farmers Market.

Health Care:

- Dental Centre
- Peace Arch Hospital
- Peace Arch Maternity Clinic

Retail

- White Rock Town Centre
- Variety of Pubs, Restaurants and Shops

Transit

 Bus routes on Russell Avenue, Best Street, North Bluff Road and Johnston Road.

17

DESIGN RATIONALE

Project Brief

80 modern rental apartments to replace 25 aging, non-accessible apartments.

Increase number of rental homes with long term livability and community feel provided by agefriendly amenity spaces.

6-storey wood construction.

Unit mix includes:

5 Studio	(6.25%)	
42 Rental Bed	(52.50%)	
19 Rental 2 Bed	(23.75%)	
4 Rental 2 Bed + Den	(5.00%)	
10 Rental 3 Bed	(12.50%)	

19 Adaptable Homes (23.75%) -

- Larger bathrooms
- Wider doorways
- Provision for grab-bars
- Mix of 1, 2 and 3-bedroom units

Landscape + Public Realm

Outdoor amenities will include tenant gardens and a children's play area in the courtyard.

Low-maintenance, hardy, local planting will create green space along pathways and existing sidewalks. Existing trees will be protected along the property line where possible to help create a park-like transition from public to residential realm.

Strategic lighting will enhance the development and create safe and welcoming spaces. Public Information Meeting – Display Boards

DESIGN RATIONALE

Traffic + Parking

Access to the underground parking is provided by the lane on the west side of the building. Access to the lane is available from Russell Avenue and Torit Avenue.

Residential, visitor and accessible parking spaces are provided as well as a loading zone which can be accessed from the lane. In addition to the minimum parking requirements, this development includes ample, bicycle storage and electric car charging stations.

Access to serunt garbage and recycling is located on-site in an enclosed area on the first floor of the underground parking.

Parking Breakdown

112 Total Parking Spaces

- 87 Residential
 - + 24 Vehicle Charging
 - ZAccessible
- · I Loading
- 25 Visitor
 - I Accessible
- 84 Long Term Bicycle Parking
- 16 Short Term Bicycle Parking

Pedestrian / Bicycle Focus

Leave the Car Behind initiatives:

- Live updates on transit schedules at lobby
- Directional signage to nearest transit routes and local descinations at Lobby
- Secured bicycle storage with direct access to elevators and Lobby
- New lierent package to include:
 - Соприм Рам
 - Transit info
 - · Cycling info
 - . Estimated walking times and distances
 - · Cur share info
 - · Bu

Community Development

The project intends to create a dynamic residential setting and easy access to community amendes. From day contemporary day on and thoughtful landscaping creates homes that residents can be proud to be sort of

The courtyard american are designed to bring residents together to connect and form a lasting community.

30

VIEW ANALYSIS

- 1) FIR STREET SOUTH
- GEORGE STREET/ RUSSELL AVENUE
- 3) FIR STREET NORTH







- 4) RUSSELL AVENUE (WEST)
- 5) FIR STREET/ RUSSELL AVENUE
- 6) RUSSELL AVENUE (EAST)







- AERIAL LOOKING EAST (15152 RUSSELL AVENUE)
- AERIAL LOOKING NORTHWEST (1455 GEORGE STREET)
- 9) AERIAL LOOKING SOUTH (15280 NORTH BLUFF ROAD)





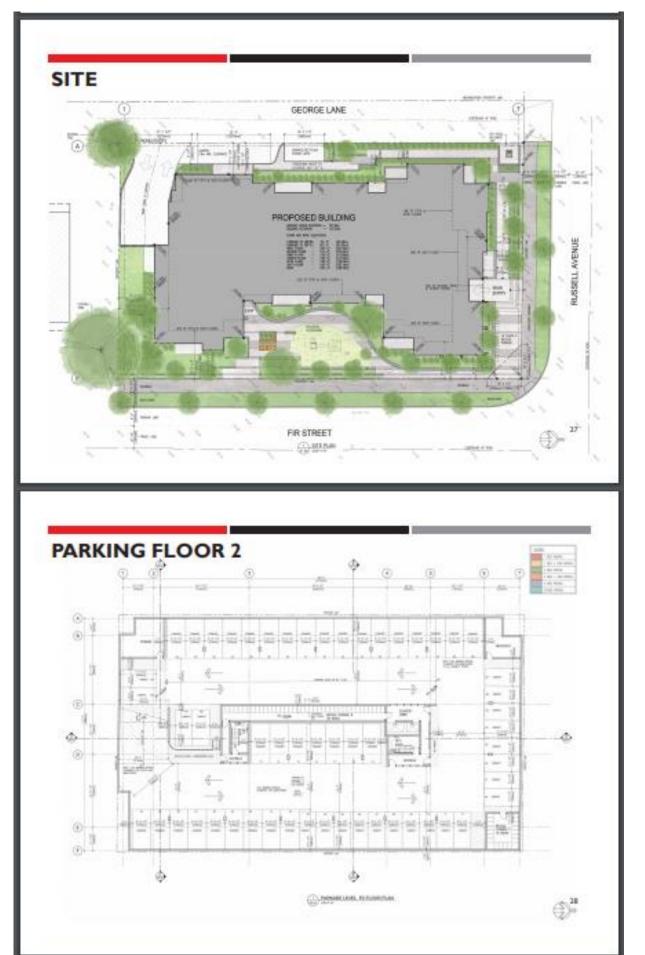


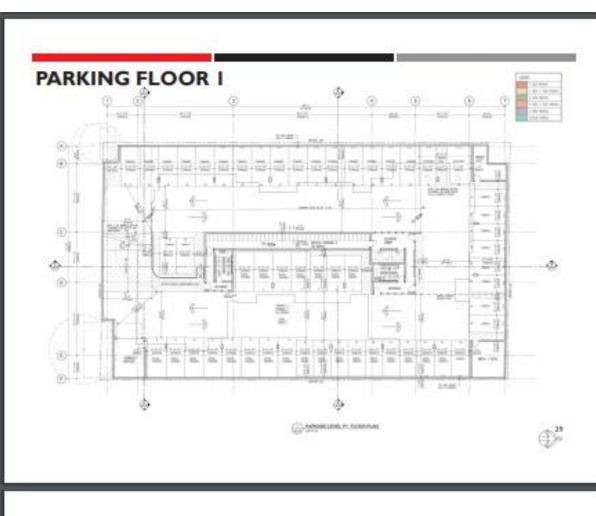
STATISTICS SUMMARY

i.	Required / Allowed	Proposed
Lot Area		2036.15 SM
Lot Coverage	60%	49.98% (1017.69 SM)
FSR		2.80 (5706.73 SM)
Storeys		6
Setbacks	Front 9'-10" Rear 5'-11" Side (North) 9'-10" Side (South) 3'-11"	Front 11' - 4 ½" Rear 10' -1 ½" Side (North) 16' - 6 ¾" Side (South) 17' - 2 ¾"
Building Height	N/A	62.0 FT
Number of Units		80
Parking	108	108

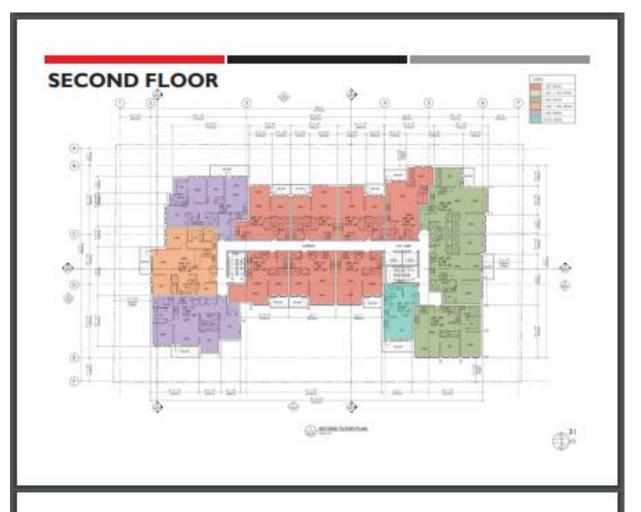
Information Meeting – Display Boards

Public





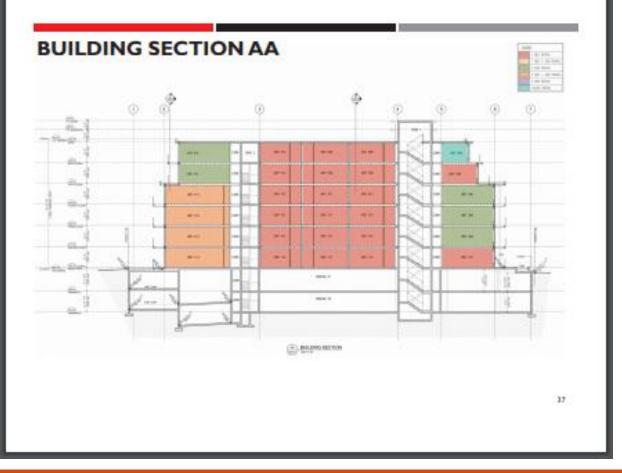


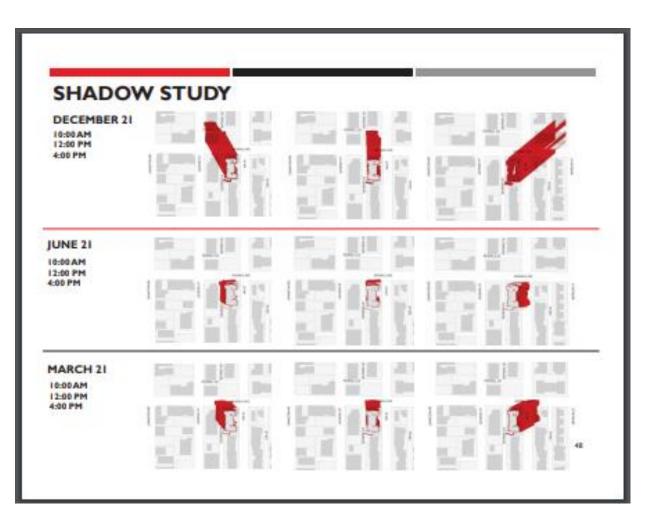


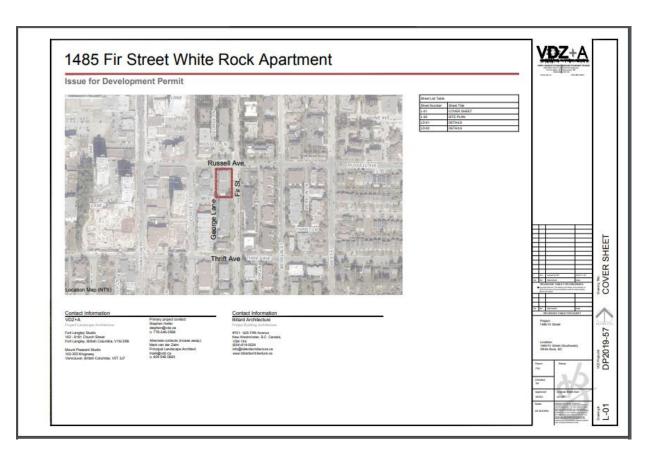


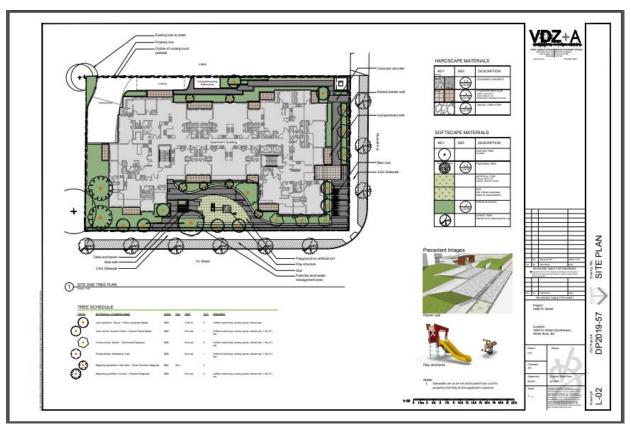












PUBLIC INFORMATION MEETING

1485 FIR SREET REZONING, MAJOR DEVELOPMENT PERMIT, FILE NO. 19-009 DECEMBER 12, 2019 THIRDSPACE COMMUNITY CAFÉ 1381 GEORGE ST, UNIT #1 WHITE ROCK, BC V4B 2L1

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PUBLIC INFORMATION MEETING

1485 FIR SREET REZONING, MAJOR DEVELOPMENT PERMIT, FILE NO. 19-009 DECEMBER 12, 2019 THIRDSPACE COMMUNITY CAFÉ 1381 GEORGE ST, UNIT #1 WHITE ROCK, BC V4B 2L1

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From: Elizabeth Brearley
To: Athena von Hausen

Subject: Public Information Meeting December 12, 2019 **Date:** Friday, December 13, 2019 11:12:34 AM

Attachments: Public Meeting Dec-12-2019.odt

IMG 20191213 0001.pdf Letter to Johanssen Apr-3-2019.odt

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Ms. Von Hausen:

My name is Elizabeth Warttig and my husband and I attended the above meeting last evening. We mistakenly thought that it was a meeting that we could speak to. Many of the residents of 1475 Fir Street did not attend because they intended that I speak for them. Therefore I am attaching the letters and petition that was signed by all the residents last February. Your department may already have a copy. The Mayor and Council received a copy of this petition and letter also in February.

I did not see you at the meeting, or I would have given you the letters and the petition at that time. We are very opposed to this development. My comments to the planning department on behalf of the tenants of 1475 Fir Street, are below.

Regards, Elizabeth

My name is Elizabeth Warttig and I am representing the residents of 1475 Fir Street, who signed a petition in February of this year to protest the eviction of 30 people from this building. It was presented to the White Rock City council, along with a letter and forwarded to the planning department. We live in sound affordable housing. This building is not derelict and we respectfully ask that you do allow this unknown developer to evict us and tear down a perfectly sound building. I have researched the rental market in the White Rock South Surrey area for a year now and the average rents are much higher than those we are paying now. In fact they have increased considerably in November. The average for 1 bedroom is now \$1,500 and for a 2 bedroom the average is \$2,200. Burnaby has recently passed a revised residents assistance policy, which asks the developer to top up rents for tenants that

have been evicted and allow them back to the new building at the same cost of the rents that they are currently paying. I would suggest that the City of White Rock make that amendment to their policy.

We are a close knit community who look after each other. Many are elderly tenants who have lived there for 20 years. Some tenants are struggling young people on minimum wages. We cannot afford the so called market rents. Some of us have been subject to harassment and intimidation by the representative for our building, which has been reported to the Residential Tenancy Branch. It has been very traumatic and upsetting for the tenants. 17 new highrises have been slated for construction in White Rock. Those that have already been completed are struggling to fill them.

Everyone is stressed by the uncertainty of where they will go. As you are aware there is no affordable housing in White Rock and I urge you to consider this and do not have us evicted from our homes.

Thank you.

From: <u>Carl Isaak</u>
To: <u>Athena von Hausen</u>

Subject: FW: 1075/1085 Fir Street, White Rock, BC Date: Wednesday, May 22, 2019 2:24:00 PM

Ms. Brearley has emailed Carl J on several occasions and this email is the most recent and detailed correspondence from her regarding her concerns with redevelopment of the 1485 Fir Street (building addressed as 1475 Fir Street) property where she lives.

From: Elizabeth Brearley <elizabethbrearley@hotmail.com>

Sent: Sunday, May 19, 2019 10:45 AM

To: Darryl Walker <u>DWalker@whiterockcity.ca>;</u>; David Chesney <u>DChesney@whiterockcity.ca>;</u>; Brika Johanson <u>EJohanson@whiterockcity.ca>;</u>; Scott Kristjanson <u>SKristjanson@whiterockcity.ca>;</u>; Anthony Manning <u>AManning@whiterockcity.ca>;</u>; Christopher Trevelyan <u>CTrevelyan@whiterockcity.ca>;</u>; Carl Johannsen

Subject: Re: 1075/1085 Fir Street, White Rock, BC

To His Worship the Mayor and White Rock City Councillors:

<CJohannsen@whiterockcity.ca>; Carl Isaak <CIsaak@whiterockcity.ca>

We, the tenants of the above property are aware that the owner of 1062822 BC Ltd. has submitted an OCP Amendment, a Zoning Bylaw Amendment and a Major Development Permit Application for the above property, which is a 25 unit rental property, not 24 as mentioned in the application. The mailing address is 1475, not 1485 as stated in the application. I understand this is an error on the part of City Hall.

We sent you a letter and a signed petition by the residents on February 11th 2019 stating our concerns and dismay at being evicted from our homes.

In the information given to us on May 14th 2019, by Mahdi Heidari on behalf of 1062822 BC Ltd., we would like to point out the following mis-information:

- The building has 25 suites not 24
- It has a state of the art heating system
- All windows were replaced with double-glazed high quality windows
- Blinds have been replaced
- New carpets have been installed in all suites
- Light fixtures and electrical outlets have been replaced in all suites

- WiFi is installed in the building for tenants use
- Telus installed optic fibre throughout the building last year

This building is not derelict and has been well maintained by the previous owners over the years.

Many of the tenants have lived here for over 20 years and are in their seventies and eighties. No one is on welfare. We are a very quiet and respectable community. There are no drugs or smoking in the building. There are 4 suites on the 3rd floor and they are occupied by young working adults. Rents are between \$800 and \$1150 per month. Since 1062822 BC Ltd. took over the building in November 2018, 1 tenant has died and 2 have moved into care homes. These suites have been re-rented at \$1,100 and \$1,300 per month. The new owners appear to be letting the building slide into disrepair. We are determined not to let this happen, so now we, the tenants, are now maintaining the building, cleaning the hallways, laundry room and cutting the grass at no cost to the owners. How can these owners morally do this to us? We are happy community that look out for each other. We are all stressed to the max with this hanging over our heads. Where will we go? As you know, market rents are astronomical and not affordable by this community.

Please do not let these greedy developers, who are not familiar with the area, throw us out of our homes. We do not know who they are. We do not know if the money is coming from off-shore and we do not know if the profits will be sent offshore!! They are hiding behind a numbered company.

We hope this information will help you in determining your consideration at the Land Use and Planning Committee.

We invite you all to come and visit the building to see for yourselves what a great community we have here. We will be happy to show you around.

With much respect and best regards,

Elizabeth Brearley-Warttig (on behalf of the tenants of 1475 Fir Street, White Rock, BC)

Tel: 778-294-0647

April 3, 2019

City of White Rock 15322 Buena Vista Avenue White Rock, BC V4B 1Y6

Attn: Carl Johannsen,
Director of Planning and Development

Dear Sir:

Re: 1475 Fir Street, White Rock, BC

Our building was sold to a Vancouver developer last fall. It is our understanding that the developer is planning to tear down the building. My husband and I are the caretakers of this rental building and we, along with the rest of the tenants, are concerned for the welfare of the tenants. This building is solid and well maintained. It is not a "slum". Most of the tenants are elderly, with low incomes. We are a close community that takes care of each other.

We are well aware of your Policy No. 514 (Tenant Relocation).

Why tear down a perfectly good building, for some greedy Vancouver developer?

Other properties that are being developed within the community are on land that was not occupied by residents of White Rock and no one lost their homes.

I enclose a letter that I have written to the Mayor and Council, signed by all the residents. Two councillors have responded.

We are prepared to do whatever it takes to keep our homes.

Best Regards,

Elizabeth Warttig - Suite 104 Tel: 778-294-0647 elizabethbrearley@hotmail.com

Sheet1

Residents of 1475 Fir Street, White Rock, BC V4B 4B5			Sheet1	
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104 George Warttig	102	Lillian King (45)	Jagian Kin	7
104	103	Peggy Best	fysest	604-379-7997
105 Maria Tajaro	104	George Warttig (&)	George Wanty'	778 968 1947
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Page 1

From: Sadie Hadley
To: Planning
Subject: tenant

Date: Tuesday, May 21, 2019 3:31:59 PM

I am a tenant at 1485 Fir st. in White Rock which has been bought by developers. I have lived here over 11 years and am 87 yrs. old because an development permit application has been made I have put my name in a senior residence with a 6-12 month waiting list. My question is if a space comes available am I still eligible for the Tenant Relocation package or is it only after the developers have City approval and permits are approved. Thanks Sadie

From: Maret Erickson
To: Athena von Hausen

Subject: 1485 Fir Street, White Rock, B.C. **Date:** Friday, December 13, 2019 1:46:43 PM

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Athena

I was unable to attend the public information meeting held on December 12, 2019. This is to advise that I support the project planned for 1485 Fir Street, White Rock, B.C.

Maret Erickson

From: Barbara Holm

To: Athena von Hausen

Subject:Development Project 1485 Fir StreetDate:Sunday, December 15, 2019 3:14:09 PM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Athena,

Thank you for listening at the information meeting December 12th.

As I outlined to you White Rock will soon be facing significant problems due to the ageing infrastructure of virtually all the rental buildings that date primarily from the 60's. They are expensive to run and maintain - lacking modern energy efficient building envelopes, windows, pipes and wiring that are expensive to replace and also to maintain. The small number of apartments relative to the size of the lots they are built on make the property taxes and other fixed costs, heat, water, gas, recycling, garbage quite exorbitant even before the high cost of maintenance is added. Just maintaining heat in suites in winter with 60 year old equipment(despite new boilers etc)had become a major, very time consuming, challenge - the great majority of plumbing contactors are not even familiar with these issues - even if OEM parts are available - which frequently they are not meaning that it is necessary to substitute with after market parts. These areas of concern will grow exponentially with ageing.

There are many significant advantages to dedicated rental buildings in comparison to condo's where tenants are at the mercy of individual owners and tend to be shorter term in most case.

I was concerned about some of the misconceptions and misunderstandings that many of the tenants from the building had. From money laundering and shady accounts to a total lack of trust and understanding of the commitments required by the developer in order for him to attempt to redevelop the site was misinformed and rather scary. We explianed to all tenants in the building that we could no longer manage to deal with the maintenance ourselves and it would have been too expensive to hire a management company with the already high overhead costs and this would have been reflected in much lower maintenance levels.

I do not want to just ramble here so please contact me if you, Carl, or anyone else have any questions. My husband and I feel that a dedicated rental building on such a convenient location would be a tremendous asset to the community and a huge benefit to tenants who would have the convenience of a safer modern building with all that new technology has to offer.

Kind Regards, Barbara Holm 604 535 3585 From: Mahmoud Mahmoud

To: Athena von Hausen

Cc: robert@billardarchitecture.ca; MobileMe

Subject: Support for Proposed Rental Development Project: 1485 Fir St, White Rock

Date: Monday, December 16, 2019 5:55:23 PM

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Attention: Athena von Hausen

Dear Ms. von Hausen,

I am writing in support of the above-referenced Rental Development project that is being proposed by C2C Construction. I understand that you will accept email communications from those who were unable to attend the Public Meeting that was held on the project last Thursday.

As someone who visits White Rock frequently, I understand that the City of White Rock has close to zero rental vacancy. Therefore, I am in support of any development which promotes rental accommodation for those who may wish to live in your beautiful municipality, but cannot afford to buy there. To that end, it seems very obvious that any developer that wishes to build rental accommodation in White Rock should be supported by the municipality.

I understand that the proposed project at 1485 Fir Street will be replacing an almost 60 year-old building into a brand new 80-unit fully rental property. I also understand that most of the current rental buildings in White Rock are old and poorly maintained, with no elevator, ramp or other amenities which are needed by the community's senior citizens. Given the location of the site to White Rock's town centre, it escapes me as to what barriers the municipality sees in approving this project. In the circumstances, I respectfully ask that the city support this fully rental development to address the current rental shortage in White Rock.

I'm copying the project architect, Mr. Robert Billard, so that he is aware of the support that this member of the public wishes to lend this worthy rental development project.

Yours truly,

Mahmoud Mahmoud, PhD, FEC mahmoudmahmoud@icloud.com

From: Michelle Guy
To: Athena von Hausen
Subject: 1485 Fir Street

Date: Monday, December 16, 2019 8:29:05 PM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear City of White Rock,

I write to express my support of this project. I was not able to attend the information meeting with council due to other commitments but thought I would send in my two cents, for what it is worth.

White Rock is a beautiful area and my mother, retired, very much would like to live there. She has a decent pension but does not have the asset base that would allow her to buy. As a result she rents and likely always will. That does not limit her ability to contribute to the local economy of coffee shops and local artists.

We have looked for a place for her and have only found either dated rental housing or basement suites. I was excited to see a proposal that might well meet her long term needs.

I do hope that City Council will see the wisdom in encouraging modern new builds for middle income people who are not able or interested to buy homes but would still prove to be valuable and desirable members of your community.

Michelle

From: Parastoo Shirazi
To: Athena von Hausen
Cc: robert@billardarchitecture.ca
Subject: 1485 Fir St white Rock

Date: Monday, December 16, 2019 6:15:53 PM

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Dear Avon Hausen,

Regrettably I was not able to attend the public information meeting for 1485 Fir St project in White Rock, yet I would like to express my support for the below reasons:

Most rental buildings in White Rock are older developments. The current building is 60 years old, it is of great timing to have the old building replaced with a new rental building.

White Rock would benefit from attracting younger population, to sustain and attract the younger population, newer rental buildings with such unique designs would offer attractive housing solutions for the younger population who are yet unable to afford to purchase properties.

White Rock's beautiful demographics could be supplemented by par rental buildings attracting great dynamics to the community.

Thanks

Parastoo Shirazi

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From: Teresa Leung
To: Athena von Hausen

Cc: <u>robert@billardarchitecture.ca</u>

Subject: 1485 Fir Street, Whitebirch Apartments

Date: Monday, December 16, 2019 10:47:51 AM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Athena (City of White Rock),

I am in support of the new rental development, Whitebirch at 1485 Fir Street to address the current rental shortage in White Rock. There are many people who cannot purchase, who NEED to rent, therefore, this project will greatly help those individuals, since the current vacancy rate is almost zero at this time. Please do what you can to push this project forward.

I can be reached at 604-618-2128 should you have any questions.

Best wishes,

Teresa Leung

This communication, including attachments, is confidential, may be subject to legal privileges, and is intended for the sole use of the addressee. Any use, duplication, disclosure or dissemination of this communication, other than by the addressee, is prohibited. If you have received this communication in error, please notify the sender immediately and delete or destroy this communication and all copies. Thank you.

From: Farid Kazemzadeh
To: Athena von Hausen

Cc: LEED AP

Subject: Rental Building Proposed

Date: Tuesday, December 17, 2019 4:04:12 PM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Athena,

I wanted to take this time to show my support for the rental building proposed at 1485 Fir Street. Firstly, the building proposed fits well within the neighbourhood given its design. But even more important, the City has very little rental opportunities which make it very hard to find a suitable place to live. We need newer rental buildings for both younger families and the baby boomer generation.

I hope the City makes the right decision to approve this proposed development and more rental buildings in the future.

Best regards, Farid K From: Yolande Levasseur
To: Athena von Hausen

Cc: robert@billardarchitecture.ca

Subject: Proposed building project at 1485 Fir street White Rock

Date: Thursday, December 19, 2019 5:42:02 PM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern,

I am writing to you to indicate my support of a rental building project awaiting city approval. The address of this project is 1485 Fir Street in White Rock.

I'm a 69 year old woman and, although I'm in excellent health right now, I can see the writing on the wall when I will not have the energy or the ability to trek up four flights of steps. The design of this proposed rental property has all the amenities I would want in the near future and, furthermore, has a lot of style without being ostentatious. I believe it would fit very well in a neighbourhood that is progressive, offering sound housing accommodations in a classy-looking building.

Respectfully, Yolande Levasseur

Sent from my iPad

From: Derek Townsend

To: Athena von Hausen

Cc: robert@billardarchitecture.ca

Subject: 1485 Fir St white Rock Support

Date: Tuesday, December 17, 2019 11:35:53 AM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Athena,

I am email to express my support for the rental apartment development at 1485 Fir Street. I think new rental supply is key for our unaffordable market and any supply is great as we have had such a lack over the years.

The design is smart and well thought out and the only comment I would add is that it should be twice as big with twice as many units.

_-

Derek Townsend 604.812.8312 dwtownsend@gmail.com

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

Please note that your completed feedback form will be disclosed to the public and presented to Mayor and Council as part of the information package attached to this development proposal application. Any personal information or commentary you provide on this document will form part of the public record.

Please provide your name and address below: (optional)

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Please	provide your comments in the	box below:
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RIDICULOUS	Ê.	

Page 204 of 524

Robert Billard

Billard Architecture Inc.

Email: robert@billardarchitecture.ca

Tel: (604)-619-0529

I want to contact the APPLICANT ...

Athena von Hausen

Tel: (604)-541-2159

Planner, City of White Rock

Email: avonhausen@whiterockcity.ca

I want to contact the CITY ...

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

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	Please provide your n	ame and address belo	ow: (optional)
Name:	Moli Bali		
Address:	14933 Bege	hire Ave.	White Rock
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I	want to contact the CITY	I want to con	tact the APPLICANT
	on Hausen City of White Rock	Robert Billard Billard Architecture	Inc

Tel: (604)-619-0529

Email: robert@billardarchitecture.ca

Tel: (604)-541-2159

Email: avonhausen@whiterockcity.ca

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

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	I want to contact the	CITY	I want to	contact the A	PPLICANT	
	Athena von Hausen		Robert Billard			

Billard Architecture Inc.

Email: robert@billardarchitecture.ca

Tel: (604)-619-0529

Planner, City of White Rock

Email: avonhausen@whiterockcity.ca

Tel: (604)-541-2159

Rezoning & Major Development Permit Proposal Application No. 19-009 - 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

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I want to contact the CITY	I want to contact the APPLICANT
Athena von Hausen	Robert Billard
Planner, City of White Rock	Billard Architecture Inc.
Tel: (604)-541-2159	Tel: (604)-619-0529
Email: avonhausen@whiterockcity.ca	Email: robert@billardarchitecture.ca

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Thank you for your participation. If you have any questions, please contact the following:

I want to contact the CITY	I want to contact the APPLICANT
Athena von Hausen	Robert Billard
Planner, City of White Rock	Billard Architecture Inc.
Tel: (604)-541-2159	Tel: (604)-619-0529
Email: avonhausen@whiterockcity.ca	Email: robert@billardarchitecture.ca

Name:

Address:

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

Please provide your name and address below: (optional)

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Planner, City of White Rock
Tel: (604)-541-2159
Email: avonhausen@whiterockcity.ca

Billard Architecture Inc.
Tel: (604)-619-0529
Email: robert@billardarchitecture.ca

Robert Billard

I want to contact the APPLICANT ...

Thank you for your participation. If you have any questions, please contact the following:

Athena von Hausen

I want to contact the CITY ...

Name:

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

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Email: robert@billardarchitecture.ca

Email: avonhausen@whiterockcity.ca

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

Please provide your name and address below: (optional)

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Robert Billard

Billard Architecture Inc.

Email: robert@billardarchitecture.ca

Tel: (604)-619-0529

I want to contact the APPLICANT ...

Athena von Hausen

Tel: (604)-541-2159

Planner, City of White Rock

Email: avonhausen@whiterockcity.ca

I want to contact the CITY ...

Name:

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

Please provide your name and address below: (optional)

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Athena vo	n Hausen ity of White Rock	Robert Billard
Tel: (604)-		Billard Architecture Inc. Tel: (604)-619-0529
	nhausen@whiterockcity.ca	Email: robert@billardarchitecture.ca

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

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	Athena von Hausen Planner, City of White Rock Tel: (604)-541-2159 Email: avonhausen@whiterockc	Robert Billard Billard Architect Tel: (604)-619-0: ity.ca Fmail: robert@b	

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

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Thank you for your participation.	If you have any questions, please contact the following: 60483 (-0099
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Athena von Hausen Planner, City of White Rock Tel: (604)-541-2159 Email: avonhausen@whiterockci	Robert Billard Billard Architecture Inc. Tel: (604)-619-0529 ity.ca Email: robert@billardarchitecture.ca

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Please provide your name and address below: (optional)

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I want to contact the	CITY I want to conta	act the APPLICANT
Athena von Hausen Planner, City of White Rock Tel: (604)-541-2159 Email: avonhausen@whiteroc	Robert Billard Billard Architecture II Tel: (604)-619-0529	

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

What is your position on the development proposal application? (Please circle your preferred response) I SUPPORT the proposal. (Please provide your comments in the box below: This development doesn't represent a goin of 55 grants and the loss of 25 affordable ones, and I have a drive suppositive that result really like council do consider the impact scowbaction on the immediate resilisourhood, no more dones of powhing sad also noise 8 emissions (house of powhing sad also noise 8 emissions (house a gripment idling). We have already put up alot up hour Wick Rock in the last couple of your please residents while welco	a .1.4		2 = 0/ (0): ===	2 -
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Planner, City of White Rock Billard Architecture Inc.		I want to contact the	CITY I want to con	ntact the APPLICANT
Email: avonhausen@whiterockcity.ca	P	lanner, City of White Rock el: (604)-541-2159	Billard Architecture Tel: (604)-619-052	9

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

	Please provide	your name and a	address below	: (optional)	
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	Athena von Hausen	Rohe	ert Billard		
	Planner, City of White Rock		rd Architecture In	oc.	
	Tel: (604)-541-2159		(604)-619-0529		
	Email: avonhausen@whiterock		il: robert@billard	architecture ca	
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Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

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Robert Billard

Billard Architecture Inc.

Email: robert@billardarchitecture.ca

Tel: (604)-619-0529

I want to contact the APPLICANT ...

Athena von Hausen

Tel: (604)-541-2159

Planner, City of White Rock

Email: avonhausen@whiterockcity.ca

I want to contact the CITY ...

Name:

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

Please provide your name and address below: (optional)

Please note that your completed feedback form will be disclosed to the public and presented to Mayor and Council as part of the information package attached to this development proposal application. Any personal information or commentary you provide on this document will form part of the public record.

Name:	IAN	1 MIDDLETON	1
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Thank you for your participation. If you have any questions, please contact the following:

I want to contact the CITY	I want to contact the APPLICANT
Athena von Hausen	Robert Billard
Planner, City of White Rock	Billard Architecture Inc.
Tel: (604)-541-2159	Tel: (604)-619-0529
Email: avonhausen@whiterockcity.ca	Email: robert@billardarchitecture.ca

Rezoning & Major Development Permit Proposal Application No. 19-009 – 1485 Fir Street 5:30 PM to 7:00 PM, December 12, 2019

	Please provide your name	e and address below: (optional)
Name:	Barbara	+ Bjorn Holm
Address:	9U 85741	per Reper Avenue.
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I war	nt to contact the CITY	I want to contact the APPLICANT
Tel: (604)-54	y of White Rock	Robert Billard Billard Architecture Inc. Tel: (604)-619-0529 Email: robert@billardarchitecture.ca

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	sition on the development propo (Please circle your preferred response)	sai application:
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Robert Billard

Billard Architecture Inc.

Email: robert@billardarchitecture.ca

Tel: (604)-619-0529

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Athena von Hausen

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Please provide your name and address below: (optional)			
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I want to contact the APPLICANT
Robert Billard
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Email: robert@billardarchitecture.ca

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Email: avonhausen@whiterockcity.ca

I want to contact the CITY ...

I want to contact the APPLICANT ...

Robert Billard

Billard Architecture Inc.

Tel: (604)-619-0529

Email: robert@billardarchitecture.ca

Athena von Hausen

Tel: (604)-541-2159

Planner, City of White Rock

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Ple	ase provide your na	ame and address below: (optional)
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Address:	13986 B	c LENNAN lackbern Ave, White Roc
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I want to d	ontact the CITY	I want to contact the APPLICANT
Athena von Hause Planner, City of W	n	Robert Billard Billard Architecture Inc.

Billard Architecture Inc.

Email: robert@billardarchitecture.ca

Tel: (604)-619-0529

Tel: (604)-541-2159

Email: avonhausen@whiterockcity.ca

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Please provide your name and address below: (optional)

N	Name: PAT PETRA	CA			
Ad	ddress: 15020 N	BLUFF			
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5	erile brutalis	ts design is financially			
advantageous for builders profits yet and Zip &					
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I want to contact the CITY I want to contact the APPLICANT Athera you Hausen					
	I want to contact the CITY	I want to contact the APPLICANT			
	Athena von Hausen Planner, City of White Rock	Robert Billard			
	Tel: (604)-541-2159	Billard Architecture Inc. Tel: (604)-619-0529			
	Email: avonhausen@whiterockcity.ca	Email: robert@billardarchitecture.ca			

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Name:	Pauline	Paton	
Address:	101-1	475 FIR St. 1	WHITE KOCK, B.
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<u>'</u>	wnat is your pos	sition on the development prop (Please circle your preferred response)	osai application?
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Thank you fo	or your participation	on. If you have any questions, pleas	e contact the following:

Robert Billard

Billard Architecture Inc.

Email: robert@billardarchitecture.ca

Tel: (604)-619-0529

I want to contact the APPLICANT ...

Athena von Hausen

Tel: (604)-541-2159

Planner, City of White Rock

Email: avonhausen@whiterockcity.ca

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Please provide your name and address below: (optional)

What is your n	osition on the development proposal application?	
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I want to contact the CITY ... 🗸

I want to contact the APPLICANT ...

Athena von Hausen Planner, City of White Rock Tel: (604)-541-2159

Billard Architecture Inc. Tel: (604)-619-0529

Robert Billard

Email: avonhausen@whiterockcity.ca

Email: robert@billardarchitecture.ca

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	Please provide your na	ame and address below: (option	onal)
Name:	SHARA	DHAND	
Address:	1483 TA	TARINE)R.	ę.
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	Please provide you	r comments in the box below	•
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This i	s NOT a con	do project - it i	s a
RENTAL	building.	This is very	much
neede	d as bel.	the correct re	ntal
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l war	nt to contact the CITY	I want to contact the A	PPLICANT
Tel: (604)-54	of White Rock	Robert Billard Billard Architecture Inc. Tel: (604)-619-0529 Email: robert@billardarchitect	

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Please provi	ide your name and address belov	w: (optional)
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Address:	201-1415-11/81.	While Hock
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Thank you for your participation. If you have any questions, please contact the following:

I want to contact the CITY	I want to contact the APPLICANT	
Athena von Hausen	Robert Billard	
Planner, City of White Rock	Billard Architecture Inc.	
Tel: (604)-541-2159	Tel: (604)-619-0529	
Email: avonhausen@whiterockcity.ca	Email: robert@billardarchitecture.ca	



Thank you



ROCHELE POTTER, PROJECT COORDINATOR ROCHELE@BILLARDARCHITECTURE.CA

Rezoning and Major Development Permit $-1485\ \mathrm{Fir}\ \mathrm{Street}\ (\mathrm{ZON/MJP}\ 19\text{-}009)$ Page No. 22

APPENDIX G

DPA Guidelines Response Table

(Attached Separately)



The objectives of the **Multi-Family Development Permit Area** are to:

- Establish an attractive, comfortable, well-connected, pedestrian-oriented environment that fosters vibrant public life
- Ensure the compatibility of new development with adjacent existing buildings
- Enhance quality of life
- Conserve energy, conserve water, and reduce GHGs

resolution) above, and in the applicable response section.

• Enhance the character of the built environment and public realm in the City of White Rock

Please provide a summary of how your proposal achieves the objectives and policies of the Multi-Family DPA below:
NOTE 1: All 'Applicant Response' sections must be filled out by the applicant. NOTE 2: If your proposal cannot adequately address one of the below-listed DPA guidelines, provide a rationale (and alternative



Transity Development remit Area Galacinies			
Section 22.6.1 - Buildings			
Multi-Family DPA Guideline 22.6.1 (a)			
Ensure buildings are compatible with or complementary to adjacent developments in terms of height, density, and design, with height transitions as outlined in Figure 9 in applicable areas. Vary heights, rooflines, and massing to minimize impacts to views and solar exposure enjoyed by adjacent buildings and open spaces.			
Applicant Response			
Multi-Family DPA Guideline 22.6.1 (b)			
Set buildings back from the property line at least 3 metres to provide enough space for gardens and shade trees in the front yard. Include a further step back above the fourth floor and consider an additional step back above the seventh floor. Tower portions of all buildings should be slim and be set back a minimum of 6 metres from the edge of the podium level to minimize view impacts and shading and to facilitate a minimum tower separation of 30 metres.			
Applicant Response			

Page 233 of 524



iviuiti-ra	mily Development Permit Area Guidelines	1774 City by the Sea
Multi-Fa	mily DPA Guideline 22.6.1 (c)	
Incorporat materials. and unit to	ual interest and comfort for pedestrians along all elevations with arge windows, doors, bay windows, porches, setbacks, and vary colours. Townhouse developments are encouraged to provide for individual unit, and to vary the front set-back between units. Non-street factors the same architectural details as the street facing elevations.	s, massing, and lity from site to site
Applicant Response		
Multi-Fa	mily DPA Guideline 22.6.1 (d)	
barrier fre Entrances	e main entrances of residential apartment buildings are level with the environment for aging in place. Townhouses may have elevated pershall be clearly identifiable, and weather protection with overhang over all entrances. Residential units on the ground floor should be	patios and entrances. s and awnings shall be
Applicant Response		

Page 234 of 524



Multi-Family DPA Guideline 22.6.1 (e)			
Address all street edges on properties fronting multiple streets or public walkways. Orient buildings toward intersections or design independent frontages along both intersecting streets, and incorporate windows, doorways, landscaping, and architectural detailing along all street frontages and walkways.			
Applicant Response			
Multi-Family DPA Guideline 22.6.1 (f)			
Provide articulation to break up building mass and to establish a rhythm along the street front in commercial areas. Ground-level commercial spaces should reflect traditional patterns of diverse, small-scale retail with storefronts of approximately ten metres wide. Include no more than six contiguous units fronting a given street without incorporating architectural elements.			
Applicant Response			



Multi-Family DPA Guideline 22.6.1 (g)

Provide shared outdoor amenity spaces for residents in mixed-use and residential buildings.
Shared roof decks with gardens are encouraged where appropriate. Incorporate dining and
seating areas with outdoor cooking facilities, play areas for children, areas for air- drying laundry,
communal vegetable gardens, and appropriate landscaping.

Provide each residential unit with a private outdoor space where possible. Incorporating green-roofs to manage stormwater, reduce urban heat island effect, and contribute to biodiversity is encouraged.

Applicant Response

Multi-Family DPA Guideline 22.6.1 (h)

Follow passive solar design principles and orient and site buildings to maximize views to the waterfront. Design roofs to maximize opportunities for solar collection in winter and control solar gain on south-facing facades by blocking high-angle sun in summer. Alternatively, provide operable shading devices or window overhangs to control summer solar gain. Maximize passive ventilation and passive cooling through building orientation.

Applicant
Response



Multi-Family DPA Guideline 22.6.1 (i)
Incorporate west coast design elements with the use of natural materials, including brick, stone, concrete, exposed heavy timber, and/or steel. Vinyl siding and stucco will not be considered for cladding. Use rich natural tones which reflect the natural landscape and seascape as the dominant colours, with brighter colours used only as accents.
Applicant Response
Multi-Family DPA Guideline 22.6.1 (j)
Integrate commercial signage with the building and/or landscaping. Signage shall have a pedestrian scale and be coordinated throughout each development and compatible with signage on adjacent properties to establish a unified and attractive commercial area. The use of natural materials and projecting signs is encouraged.
Applicant Response



Multi-Family DPA Guideline 22.6.1 (k)
Blocks of side-by-side townhouses are limited to a maximum of eight contiguous units. Lot consolidation to allow for street-fronting townhouse developments are encouraged.
Applicant Response



	Section 22.6.2 – Public Realm and Landscape
Multi-Far	nily DPA Guideline 22.6.2 (a)
	e public realm with widened sidewalks (minimum 1.8 metres). Plant street trees and let-downs to accommodate wheelchairs and scooters.
Applicant Response	
Multi-Far	nily DPA Guideline 22.6.2 (b)
public real	nsistency with street trees, plant materials, street furniture, and other aspects of the m to create cohesive streetscapes. Incorporate public art in both the public and private is reflective of the local landscape and heritage.
Applicant Response	Page 239 of 524



Multi-Far	nily DPA Guideline 22.6.2 (c)
variety of paid to est	gs to create through-block walking connections. These will create opportunities for a pedestrian-oriented activities and a finer-grained street grid. Special attention should be ablishing a linear park connection between the Town Centre and Centennial Park. less public spaces with public art and opportunities for programmed uses.
Applicant Response	
Multi-Far	nily DPA Guideline 22.6.2 (d)
driveways, areas not o	oloured reflective paving materials such as white asphalt or concrete for paths, and parking areas to reduce heat absorption and urban heat island effect. Ensure all overed by buildings, structures, roads, and parking areas are landscaped. Use g to establish transitions from public, to semi-public, to private areas.
Applicant Response	Page 240 of 524





Multi-Family DPA Guideline 22.6.1 (g)
Incorporate Low Impact Development Techniques for stormwater management, where appropriate and in accordance with the City's ISWMP. This includes but is not limited to bio-swales, cisterns, and permeable paving. Narrower lanes/access roads and the use of porous asphalt are encouraged.
Applicant Response
Multi-Family DPA Guideline 22.6.2 (h)
Provide sufficient on-site illumination for pedestrian/vehicle safety and good exposure for retail uses. Light facades and highlight building entrances, and avoid "light spill" onto adjacent properties. The use of lighting systems that are powered by renewable energy, such as solar-power, are encouraged.
Applicant Response



Section 22.6.3 – Parking and Functional Elements

Multi-Family DPA Guideline 22.6.3 (a) Locate parkade entrances at the rear or side of buildings where possible and separate from pedestrian entrances. Vehicular access from North Bluff Road will only be considered when alternative access is not available. If a parkade entrance faces a street, it shall be subordinate to the pedestrian entrance in terms of size, prominence on the streetscape, location, and design emphasis. The use of landscaping to screen and soften the appearance of the parkade entrance is encouraged. Access ramps must be designed with appropriate sight lines and incorporate security features. **Applicant** Response Multi-Family DPA Guideline 22.6.3 (b) Use a single internal vehicular access for townhouse developments where possible, with a shared parkade or individual garages. Provide landscaped areas between garages in townhouse developments that have multiple direct vehicular accesses from the street. **Applicant** Response

Page 243 of 524



Multi-Fami	ily DPA Guideline 22.6.3 (c)
visitor parkin be provided	ff-street parking below grade or enclosed within a building, with the exception of some ng spaces and short-term commercial parking spaces. Bicycle and scooter parking shall for residents within parkades, with temporary bicycle parking available near building nsure buildings are accessible from parkades for those with mobility impairments.
Applicant Response	
Multi-Fami	ily DPA Guideline 22.6.3 (d)
be located so	cient space for garbage, recycling, and composting within parkades. These areas are to that they are convenient for users and accessible for waste/recycling/ compost d removal. Loading areas must also be incorporated within buildings wherever possible.
Applicant Response	Page 244 of 524



Multi-Family DPA Guideline 22.6.3 (e)	
Locate mechanical equipment to minimize exposure to the street and nearby buildings. Screening o rooftop mechanical equipment must be integrated into the overall architectural form of the building and be designed to dampen noise where required.	
Applicant Response	

Rezoning and Major Development Permit $-1485\ \mathrm{Fir}\ \mathrm{Street}\ (\mathrm{ZON/MJP}\ 19\text{-}009)$ Page No. 23

APPENDIX H

ADP Minutes July 21, 2020

(Attached Separately)

MEETING MINUTES

PRESENT: K. Hammersley, Chairperson

P. Byer J. Muego N. Waissbluth R. Dhall P. Rust

ABSENT: None

NON-VOTING MEMBERS: S. Greysen, BIA Representative

GUESTS: R. Gill (Owner) (14947 Buena Vista Avenue)

D. Funk, Su Casa Design (Designer) (14947 Buena Vista Avenue) N. Pullman, CitiWest (Applicant) (14947 Buena Vista Avenue)

M. Heidari (Owner) (1485 Fir Street)

R. Billard, Billard Architecture (Architect) (1485 Fir Street)
R. Potter, Billard Architecture (Architect) (1485 Fir Street)
S. Heller, VDZ (Landscape Architect) (1485 Fir Street)

STAFF: G. Newman, Manager of Planning

A. von Hausen, Planner

1. CALL TO ORDER

The meeting was called to order at 3:30pm.

2. MOTION TO HOLD ADVISORY DESIGN PANEL MEETING VIA ELECTRONIC MEANS It was MOVED and SECONDED

THAT the Advisory Design Panel hold meetings as digital meetings using Microsoft Teams recognizing the COVID-19 global pandemic and efforts to support physical distancing while maintaining open government and the advancement of business.

CARRIED

3. ADOPTION OF AGENDA

It was MOVED and SECONDED

THAT the Advisory Design Panel adopts the July 21, 2020 agenda as circulated.

CARRIED

4. ADOPTION OF MINUTES

It was MOVED and SECONDED

THAT the Advisory Design Panel adopts the minutes from the July 7, 2019 meeting as amended.

CARRIED

5. SUBMISSION TO THE ADVISORY DESIGN PANEL

At the beginning of this section of the agenda, Athena von Hausen, Planner, provided an overview of the policy and regulatory framework applicable to the two applications under review by the ADP. The following subsections outlined the minutes of the meeting as they relate to each of the two applications.

5.1. Application 1: 14947 Buena Vista Avenue

- A. Von Hausen provided overview of zoning, OCP and DP Guidelines.
- D. Funk (Su Casa) presented the design background for the project.
- P. Byer asked about the setbacks and impacts on view from decks on the neighbouring property to the east, and whether that neighbour received notice of the Public Information Meeting (PIM); A. von Hausen confirmed that the neighbours did receive notice and that outside of the height variance the building satisfies the requirements of the zoning bylaw.
- P. Byer asked whether the homes were accessible. The designer noted that they have elevators off Blackwood Lane to address accessibility. P. Byer asked if the patios could be made permeable / light coloured. Designer yes, we can do as much grass as client would like to do (e.g., permeable paver, lawn, etc.). Mr. Byer noted concern with tree removals & need for replacement trees, which he understands to include at least one per property as per city requirements.
- J. Muego asked whether the building would be sprinklered. The designer provided that the building would be sprinklered. J. Muego counting four storeys per BC Building Code offered caution regarding Code Requirements. J. Muego asked what is the cut in the grades (along sides) to accommodate window wells; building is 4 feet from the property line. The design will require significant retaining walls, important to identify that construction along the east property line would be extreme in terms of retaining walls being 10 feet high. Applicant acknowledged. J. Muego noted that the rendering does not show how the rooftop deck may be programed with patio furniture or how people may use the space, which could further encumber views.
- P. Rust likes design, illustrates angle of containment well, would be good to allow a little higher to be able to get an SUV in the garage the bunker as presented is quite problematic as a space. The designer confirmed the intended use of the space is for storage. P. Rust noted that the design would need a railing on top of the retaining wall for safety of neighbour materials on exterior of both houses nice in and of themselves but may be a bit too much disharmony are the forms enough to distinguish one property from the other? Perhaps better to harmonize the materials with form being more the distinguishing factor.
- R. Dhall height of bunker being 16 17 feet is there an intent to create a space with a mezzanine and other space noted concerns about steep slope can the driveway be sloped downward to lower the height of the garage? Applicant looked at this earlier (with use of a trench drain) but noted that City Engineering would not consider this. R. Dhall raised a question of planters lots at various levels what type? Built in or portable? More information should be provided on how the plants will

- be planted in the planter areas. Applicant would defer to landscape architect would design to be waterproof and meet the direction provided by the Landscape Architect. R. Dhall noted that the Applicant should explore ways to avoid the need for height variance. Noted neighbours were concerned about slope and effects on property with the slope cuts.
- P. Byer recognized from the City's preliminary comments that the City Arborist noted concerns with landscaping plan and potential ability to accommodate planting without causing structural issues and have sufficient soil to allow trees to reach maturity. G. Newman clarified that a Tree Management Plan will be required and the City Arborist will review for compliance with the Tree Management Bylaw. P. Rust acknowledged that many people seeking to remove trees that become an obstruction to their view. P. Byer also noted that many trees are coming down and wanted to confirm the one per lot requirement. G. Newman confirmed that the Tree Management Bylaw requires a minimum of one replacement tree within the lot when removals are proposed through a permit.
- N. Waissbluth asked that the applicant look at the overhangs. Larger overhangs would benefit upper floors to decrease amount of heat retention, provide weather protection. Vertical slats should have more weight in the renderings. Walls along the sidewalk (originally 3 4 feet) now the walls are much higher (as proposed). N. Waissbluth noted that "recent developments" shown do not have as significant retaining walls along the sidewalk. Would like to see them stepped up (staggered/tiered retaining wall) staircases that lead up to the house from the lower end are quite narrow not very user-friendly, should widen by even a few inches.
- P. Byer concern with the height precedent– looking for a solution that does not require a variance does like the designs perhaps remove the mudroom by pushing the building down the slope to satisfy the height requirement of the zoning bylaw. Is there another solution to height variance—this should be explored.
- J. Muego pushing up and down want to push back to clients wants versus needs views perhaps rooftop deck shouldn't be accessible (occupied) or should be smaller with garage pushed further back guardrails staying within angle of containment would pull activities towards the garage depth of the bunker too much for the site (logistics and costs) leveling of Lot 1 (front yard) is creating a 6 foot high retaining wall how is this going to affect the westerly neighbours enjoyment of their lot would look to tier it back south-to-north and west-to-east patio capture interesting views through screening slats blocking windows to frame the view educate clients on tools available to designers to give them the best performance.
- S. Greyson planting massive trees where massive trees were can the City not plant trees elsewhere? Noted concern with the bunker if used as living space as it would not have sprinklers / egress.
- R. Dhall landscape plan more variety in the planting mostly all HB reasonably large patches of plantings here looking at the front side (south) there is more variety but more sought (more colour) would like more details about planting systems details of planters, how they're supported (structurally) represent paving systems (materials) in the landscape plan (surfaces) label properly.
- K. Hammersley summary of issues regarding landscaping, tree planting, solar exposure (passive solar gain), issues of the bunker, height variance.
- Designer (D. Funk) noted that Engineering is not supportive of the variance to driveway slope.
- P. Byer owners / designers to re-consider the height variance sought.
- J. Muego owner may wish to look at alternatives (reduction to the rear yard setback) Applicant could look at moving the home down towards Buena Vista Avenue reducing square footage of the home while maintaining the 15% slope.

P. Rust – garage built with hydraulics set into the bunker to raise and lower the garage enough so that it would not encroach on the height limit and allow for SUV's to be stored.

Following the receipt of final comments the Chair asked for a motion

It was MOVED and SECONDED

THAT the Advisory Design Panel recommends that the application for the development proposal at 14947 Buena Vista Avenue be **referred to Council** once the applicant has had an opportunity to consider the comments pertaining to:

- 1) Providing a broader mix of plantings and surface treatments (e.g., patios) as shown in the Landscape Plan, and that plantings are satisfactory to the City Arborist;
- 2) Implementing a tiered southern retaining wall so that the structure does not overwhelm the pedestrian realm along the sidewalk of Buena Vista Avenue;
- 3) Efforts to mitigate solar gain (e.g., overhangs, eyebrows, etc.) and passive cooling options along the south facing elevation of the dwellings;
- 4) The intended use and function of the "bunker" and the compliance of the space with the applicable provisions of the Zoning Bylaw; and
- 5) The requested height variance and efforts to alter the design such that a variance is no longer required; in the event that the applicant proceeds with the variance, that staff identify to Council the efforts taken by the applicant to address this constraint.

CARRIED

5.2. Application 2: 1485 Fir Street

A. von Hausen began the review of the second application with an overview of the OCP, Zoning and DP Area.

- R. Billard (Project Architect) walked through the application the various iterations of the design, efforts to address comments from City staff, mitigate traffic and access issues, program and locate amenity spaces, and step back the massing of the building. Mr. Billard also walked through materials as proposed in the design, the context of development within two blocks of the subject property, the composition of units (by # bedrooms), and efforts to support bicycle and transit use.
- S. Heller (Landscape Architect) parkade notched to accommodate the retention of trees, street trees will be replaced along Fir Street (depending on what happens with overhead power lines); overview of access to building, treatment of spaces to delineate public and private spaces, surface material treatment.
- J. Muego excited to see the front entrance (6 steps w/ accessible ramp) not shown on the renderings. R. Billard pointed to the access (ramp) versus stairs shared along Russell Avenue. R. Dhall requested to see Main Floor plan requested confirmation of parkade access wanted confirmation of the planters to be used and whether or not they are acceptable to the City. S. Heller confirmed that they have done similar plantings on other projects in the City. R. Dhall requested confirmation of whether fencing would be used to enclose the parkette. R. Billard noted they want to keep the space open so it reads as part of the community.

- P. Byer parking entrance unclear whether there was adequate clearance into the parkade. R. Billard clarified that there would be sufficient clearance. P. Byer asked if there was a vehicle drop off within the boulevard near the access. P. Byer asked if there was accommodation to expand electrical charging to more spots in the future. R. Billard noted that White Rock does not require anything. G. Newman clarified that the City requires 1/10 spaces an energized outlet (level 2) and an additional 1/10 spaces to have a rough-in for EV charging.
- P. Byer asked how recycling / garbage was being managed and whether it would be carried outside the building for collection. R. Billard confirmed that a hauling company would be retained for collection. P. Byer noted that a community garden / tenant garden appear to be planned for the roof as illustrated in the DP Guidelines Matrix. G. Newman clarified that the matrix was submitted with the first submission and that subsequent design has not been captured in a revised matrix. P. Byer asked about rooftop stormwater retention. R. Billard noted this is a costly component of the design and that a cistern may be used. S. Heller added reference to some of the features for stormwater management incorporated into the landscape design. P. Byer noted that there are only 2 handicapped (accessible) parking spaces for residents and encouraged more handicapped spaces to be offered.
- S. Greyson identified a potential conflict between trees and overhead wires. A. von Hausen confirmed that wires would need to be underground as a City engineering requirement.
- K. Hammersley impressed with the proposal based on previous review
- R. Dhall good treatment of spaces along the street encompassed most design elements inconsistency in drawings showing access to parkade in other location (reference to the design matrix). Crime Prevention Through Environmental Design (CPTED) principles to be applied along edges east elevation use of a lot of fenestration (windows). R. Dhall noted that it would be good to consolidate the number of openings and windows alongside the red accents. 60% of units are one bedroom or less (studio). R. Dhall would like to see higher proportion of two bedroom units. R. Billard provided that at this time there is not an opportunity to change the mix of units (lending constraints). R. Dhall would like to see a little bit more design development of the entry feature with the inclusion of the feature within the heavy timber frame currently at the corner of Russell and Fir.
- J. Muego commended the Landscape Architect in looking at the ground plane streetscape elements are good design elements good (stepping down levels five and six). J. Muego notes that the upper levels need something more to distinguish them and cut down on the massing (colour / material treatment). Muego reiterated R. Dhall's comment regarding the repetition of the window patterns would like to see some consolidation corner buttress quite heavy / strong considering the roof they are holding as well as the base being quite ambiguous, more design development should be considered.
- P. Rust structure on the corner didn't quite capture the entrance would like to see one more bay to capture the entrance look at use of panels along the fifth and sixth storey an original rendering indicated a panel system of cladding which would be more appropriate than shingles proposed at this height use of 9 foot ceilings (why not 8 foot). R. Billard provided that higher ceilings are currently preferred by tenants. P. Rust would like to see a galley kitchen. R. Billard noted that galley kitchens are less desired by target market.
- P. Byer bullet points for final
 - Stormwater management plan must go to the Engineering Department efforts to minimize the amount of stormwater going to the storm system;

Minutes of an Advisory Design Panel Meeting Held Digitally Using Microsoft Teams July 21, 2020

- Rooftop to be designed to mitigate solar gain;
- Electrical charging sufficient rough-in for future expansion
- Two accessible parking spots not sufficient more should be made accessible

N. Waissbluth – main comment pertains to the landscaping in the amenity / courtyard space – concern that the play space may not be used – needs to be more purposefully activated without the use of "prebuilts". R. Billard – wanting to re-evaluate the design of the space to ensure it is more accessible and more purposefully used as intended.

Following the receipt of final comments, the Chair asked for a motion.

It was MOVED and SECONDED

THAT the Advisory Design Panel recommends that the application for the development proposal at 1485 Fir Street be referred to Council once the applicant has had an opportunity to consider the comments pertaining to:

- 1) Stormwater management plan must go to the Engineering Department efforts to minimize the amount of stormwater going to the storm system;
- 2) Rooftop to be designed to reduce solar gain;
- 3) Efforts to increase the number of electrical charging stations
- 4) Efforts to increase the number of accessible parking spaces
- 5) Design of the children's play space naturalization of the space

CARRIED

6. CONCLUSION OF THE MEETING

There being no retrief business, the Champerson declared the incetting concluded at 6.76 pm	There being no further business, the Chairperson declared the meeting concluded at 6:40 p
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Karen Hammersley Chairperson, Advisory Design Panel	Greg Newman ADP, Committee Secretary

APPENDIX I

CTS Traffic Study dated November 25, 2019

(Attached Separately)

Date:

25 November 2019

Our File No: 7025-01

BY EMAIL

Mahdi Heldari 1062822 BC Ltd. 1005-583 Beach Crescent Vancouver, BC V6Z 3E6

Dear Mr. Heidari,

Re: 1485 Fir Street - Whitebirch Apartments Traffic Impact Assessment White Rock, BC

Creative Transportation Solutions Ltd. (CTS) is pleased to submit this DRAFT report summarising our work on the above study. CTS was retained by 1062822 BC Ltd. on March 21st, 2019 to undertake a traffic impact study for a proposed rental apartment development in the City of White Rock. The primary objectives of this study are as follows:

- 1. To undertake a traffic impact assessment of the development site; and,
- 2. To document the results in a report suitable for submission to the City of White Rock.

This report documents our analyses and findings.

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1.0 BACKGROUND

1.1 The Site

1062822 BC Ltd is proposing to build a rental apartment development at 1485 Fir Street in the City of White Rock.

The proposed development consists of 80 rental apartment dwelling units with two levels of underground parking.

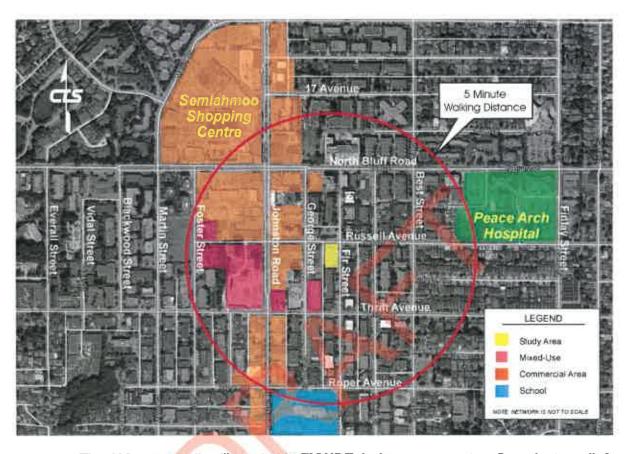
The property is currently occupied by a 3 level multifamily building with 21 residential units.

Vehicular access to the proposed development will be from George Lane and the main pedestrian access will be on the north face of the building, facing Russell Avenue.

The proposed development is to be constructed as per the architectural drawings included as APPENDIX A. The site context is illustrated in FIGURE 1.



FIGURE 1 SITE CONTEXT



The 400 metre radius illustrated in FIGURE 1 above represents a five minute walk from the site.

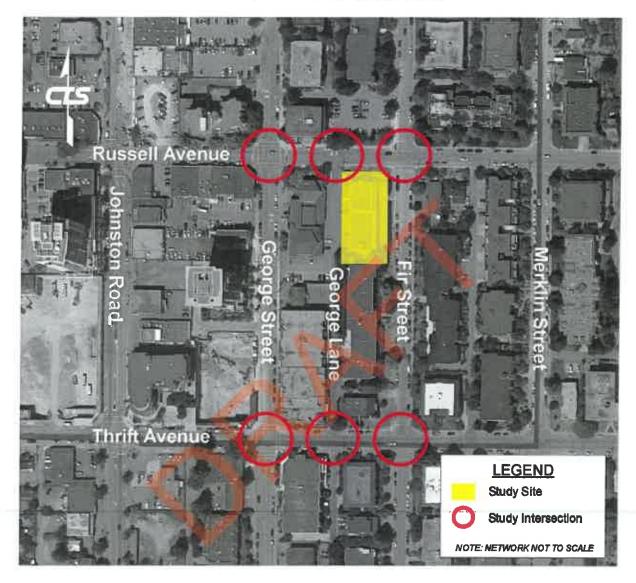
As illustrated in FIGURE 1, the site has excellent walking access to significant commercial and retail areas.

The following attractions and destinations are all approximately a five (5) to fifteen (15) minute walk from the study site:

- Semiahmoo Shopping Centre
- Peace Arch Hospital
- Commercial / retail developments all along Johnston Road
- White Rock Centre transit exchange
- Earl Marriott Secondary School
- Peach Arch Elementary
- Kent Street Activity Centre



FIGURE 2
STUDY AREA AND INTERSECTIONS





1.2 Site Visit/Road Network

A site visit was conducted in order to document current conditions. The following were the key observations from the site visit:

Fir Street

- North-South local road
- Two undivided lanes, one in each direction.
- East side of the road:
 - o Concrete curb and gutter
 - o Sidewalk
- West side of the road:
 - o Concrete curb, gutter, and sidewalk for first 40 m south of Russell Avenue
 - o Gravel shoulder, with some sections of a wooden curb on the rest of the block between Russell Avenue and Thrift Avenue
- Street lighting
- 50 km/h speed limit
- Parking permitted on both sides of the road

Russell Avenue

- East-West collector road
- Two lanes, one in each direction
- Parking permitted on the north side of the road between George Street and Fir Street
- Concrete curb and gutter
- Sidewalk on both sides of the road
- Street lighting
- Bus stops
- 50 km/h speed limit

George Street

- North-South local road
- Two lanes, one in each direction
- Parking permitted on both sides of the road
- · Concrete curb and gutter along both sides of the road
- Sidewalk on both sides of the road
- Street lighting
- 50 km/h speed limit

Thrift Avenue

- East-West local road
- Two lanes, one in each direction
- Parking permitted on both sides of the road
- Concrete curb and gutter along both sides of the road
- Sidewaik on both sides of the road



- Street lighting
- 50 km/h speed limit

George Lane

- North-South laneway
- Off-street parking accesses and parking spaces on either side
- Only wide enough for one vehicle to travel at a time

George Lane at Thrift Avenue

During the site visit, it was observed that the sightlines for southbound vehicles exiting the laneway are deficient when looking west. The eastern sight lines are sufficient as drivers are able to look around the tree on the northeast corner as show in **FIGURE 3** below.

FIGURE 3
GEORGE LANE AT THRIFT AVE - SQUTHBOUND







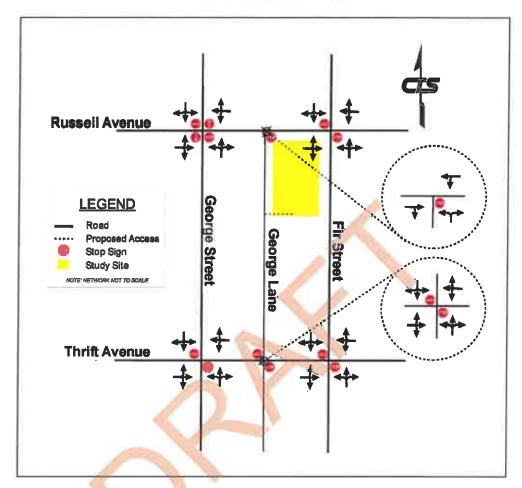
FIGURE 4
GEORGE LANE AT THRIFT AVENUE – SOUTHBOUND LOOKING WEST

As shown in **FIGURE 4** above, the western sightlines are deficient as the foliage and planter obstructs driver sightlines when stopped behind the stop bar. Sightlines for vehicular traffic are improved if drivers pull forward into the parking lane. However, sightlines for pedestrians crossing the laneway from the west side remain deficient. This poses a safety concern as pedestrians, especially those using mobility aids and / or children, are blocked from the driver's view by the planter and foliage. It is recommended that the City of White Rock consider installing yellow tactile paving blocks on the let-downs of either side of the crossing and a warning sign stating "Watch for Pedestrians" for southbound traffic at this intersection.

The laning configuration and current traffic control for the study intersections are illustrated in FIGURE 5.



FIGURE 5
LANING CONFIGURATION





1.3 Alternative Modes of Travel

Transit Network

The study area is in a transit oriented neighbourhood. The White Rock Centre transit exchange is only a six (6) minute walk from the site. 152nd Street is part of Translink's Frequent Transit Network. The site is serviced by the following bus routes:

- Route #321 Surrey Central Station / Newton Exchange / White Rock Centre / White Rock South – bus stops are serviced every 15 minutes all week
- Route #345 King George Station / White Rock Centre bus stops are serviced every 30 minutes Monday to Friday
- Route #351 Bridgeport Station / Crescent Beach bus stops are serviced every 15 minutes or less during weekday peak periods. Frequency decreases during off peak periods during the rest of the week.
- Route #354 Bridgeport Station / White Rock South bus stops are serviced during weekday morning and afternoon peak periods every 15 to 30 minutes.
- Route #361 Ocean Park / White Rock Centre bus stops are serviced every 30 minutes during the weekday and every hour during the weekend.
- Route #362 Seaside / White Rock Centre bus stops are serviced every 30 minutes throughout the week.
- Route #363 Peace Arch Hospital / Southpoint bus stops are serviced every 30 minutes throughout the week.
- Route #375 King George Station / White Rock South bus stops are serviced every 30 minutes for most of the day during the week. Frequency decreases to every hour later in the evening and during the off peak periods on the weekend.
- Route #531 White Rock Centre / Willowbrook bus stops are serviced every 30 minutes throughout the week.

Bicycle Network

Within the adjacent road network, Thrift Avenue is a shared lane bike route. Martin Street, Best Street, and Finlay Street are also shared lane bike routes as illustrated in **FIGURE 6** below.



Pedestrian Network

The study area is well connected with sidewalks. All roads within the study area have a sidewalk on at least one side.

FIGURE 6
ALTERNATIVE MODES OF TRAVEL WITHIN 400 METRES





1.4 Scope of Work

CTS selected the weekday morning and afternoon peak hours as the analysis design hours for this study as it represents the peak traffic time for the adjacent road network and the peak traffic times for the proposed development.

The following scenarios were used in this traffic Impact assessment:

- 1. 2019 existing base traffic (from traffic surveys)
- 2. 2022 future base traffic
- 3. 2027 future base traffic
- 4. 2022 future base traffic + proposed development traffic
- 5. 2027 future base traffic + proposed development traffic
- 6. 2045 estimated link traffic volumes



2.0 BASE TRAFFIC VOLUMES

2.1 Existing Base Traffic Volumes

2019 Base Traffic Volumes

CTS conducted turning movement counts on Wednesday April 3rd, 2019 from 07:00 to 09:00, 11:00 to 13:00, and 15:00 to 18:00 to document the typical weekday peak hour traffic volumes for the following intersections:

- George Street at Russell Avenue
- George Lane at Russell Avenue
- Fir Street at Russell Avenue
- Fir Street at Thrift Avenue
- George Lane at Thrift Avenue
- George Street at Thrift Avenue

The traffic count data was summarized and reviewed to ensure data integrity and validity. The summarized traffic data sheets are included in **APPENDIX C.**

From the collected data, the weekday morning and afternoon peak hours were chosen as the dominant design hours and was observed to occur from 08:00 to 09:00 and from 15:00 to 16:00.

The 2019 base weekday morning and afternoon peak hour volumes are illustrated in FIGURE 7 and FIGURE 8.



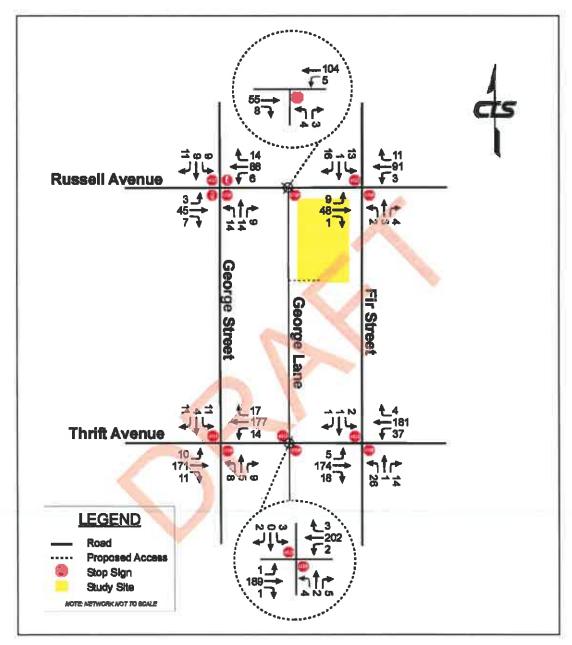


FIGURE 7
2019 WEEKDAY MORNING PEAK HOUR BASE TRAFFIC VOLUMES



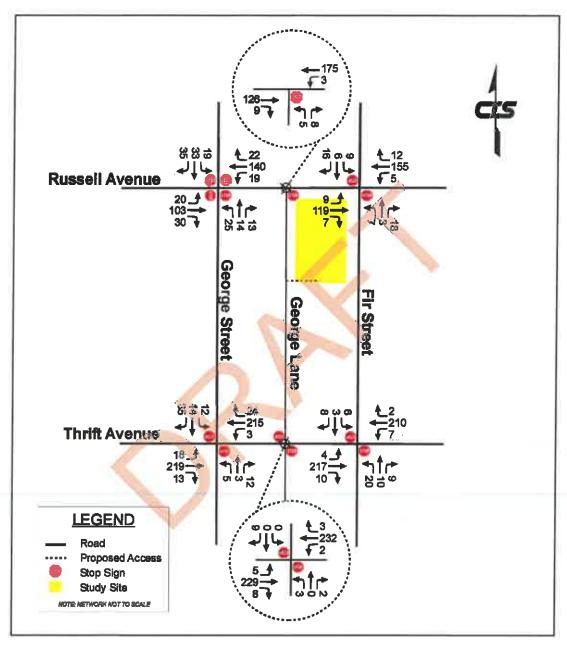


FIGURE 8
2019 WEEKDAY AFTERNOON PEAK HOUR BASE TRAFFIC VOLUMES



2.2 Future Base Traffic Volumes

The 2019 base volumes were factored up by a traffic volume growth rate of 2.0% to the 2022 and 2027 horizon years.

2022 Future Base Traffic Volumes

The expected build-out year for the proposed development is 2022. The 2019 base traffic volumes were factored up by an approved traffic volume growth rate of 2.0% per annum (simple-straight line) within the study network to represent the base 2022 traffic volumes.

FIGURE 9 and FIGURE 10 illustrates the future base weekday morning and afternoon peak hour vehicle volumes for the year 2022.

2027 Future Base Traffic Volumes

2027 is five (5) years after the anticipated year of full buildout for the proposed development. The 2019 base traffic volumes were factored up by a traffic volume growth rate of 2.0% per annum (simple straight line) to represent the base 2027 volumes.

FIGURE 11 and FIGURE 12 Illustrates the future base weekday morning and afternoon peak hour vehicle volumes for the year 2027.



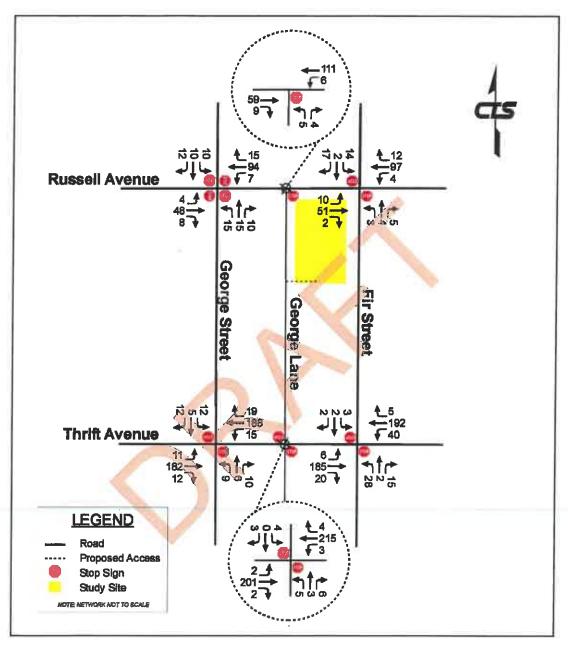


FIGURE 9
2022 WEEKDAY MORNING PEAK HOUR BASE TRAFFIC VOLUMES



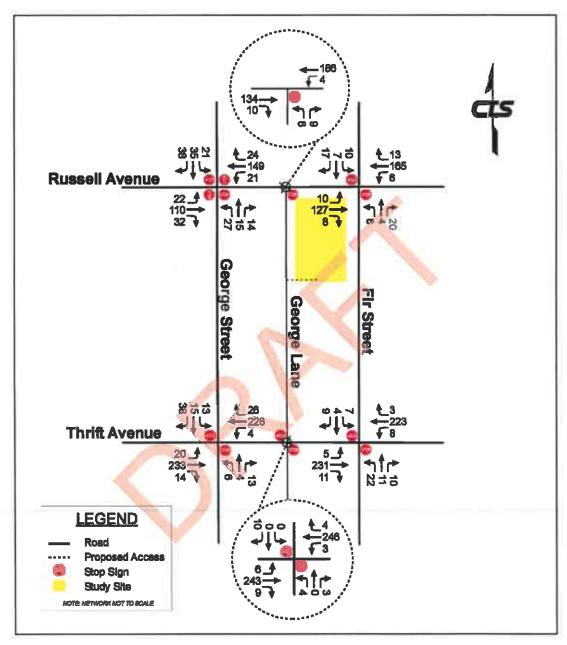


FIGURE 10 2022 WEEKDAY AFTERNOON PEAK HOUR BASE TRAFFIC VOLUMES



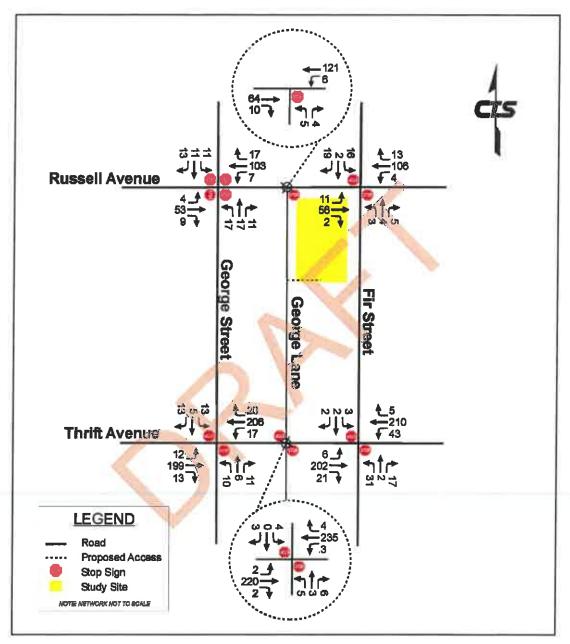


FIGURE 11
2027 WEEKDAY MORNING PEAK HOUR BASE TRAFFIC VOLUMES



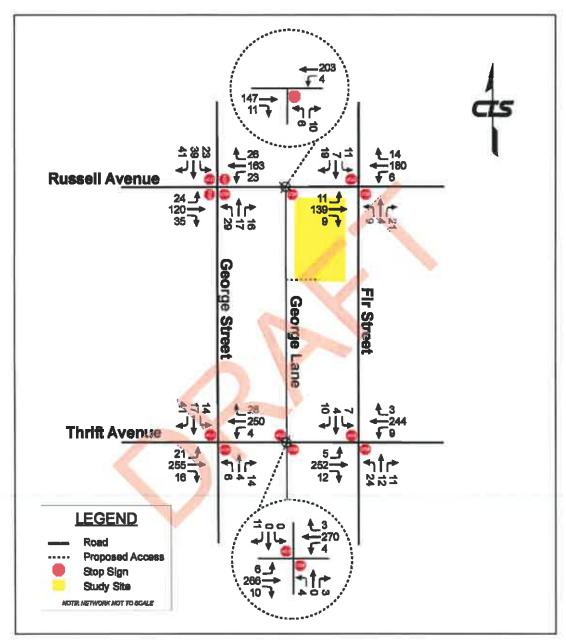


FIGURE 12 2027 WEEKDAY AFTERNOON PEAK HOUR BASE TRAFFIC VOLUMES



3.0 SITE TRAFFIC VOLUMES

3.1 Trip Generation

The published vehicle trip rates from the Institute of Transportation Engineers (ITE) 10th Edition were used to forecast the site generated traffic volumes. An apartment building with 21 rental dwelling units currently occupies the property. The proposed apartment development includes 80 rental dwelling units.

TABLE 1 summarizes the estimated site generated traffic for the existing apartment building as well as the forecast site generated traffic from the proposed development.

TABLE 1
SUMMARY OF SITE GENERATED TRAFFIC

Land Use	Peak Hour	Trip Generation	Scope of	Vehicle Trip Generation	Trip Rate	Directio	nal Split	Peak H	lour Votum	ies (Vph)
		Variable	Development	Rate	Source	%in .	% out	in	put	total
Proposed Apartment Building -	Weekday Moming	Duralling Units	80	0.36	ITE 10th Edition -	26%	74%	8	21	29
Multifamily Housing (Mid-Rise)	Weekday Afternoon	- Dwelling Units	80	0.44	Code 221	61%	30%	22	21 14 21 14 6 4	36
Duan	osed Site Trai	Wa	Weekd	ay Morning Pe	ak Hour	28%	72%	8	21	29
Piup	OSEO SILE ITAL	HG.	Weekda	y Afternoon Pe	sak Hour	61%	39%	22	14	36
Existing Apartment uilding - Multifamily	Weekday Moming	Paralling Links	21	0.36	ITE 10th Edition -	26%	74%	2	6	8
Housing (Mid-Rise)	Weekday Afternoon	Dwelling Units		0.44	Code 221	81%	30%	8	4	10
	de a Rive Breed		Weekd	ay Morning Pe	ak Hour	25%	75%	2	- 6	- 8
<u> </u>	ting Site Treff	6	Wee kda	y Afternoon Pe	ak Hour	60%	40%	6	4	10
	104 7 5		Weekd	ny Morning Pe	ak Hour	29%	71%	6	-15	21
N	Net Site Treffic			y Afternoon Pe	ak Hour	62%	38%	16	10	26

Mid-rise multifamily housing includes apartments, townhouses, and condominiums located within the same building with at least three other dwelling units and that have three or more levels (floors). The Vehicle Trip Generation Rate was selected using the General Urban/Suburban setting.

From **TABLE 1**, the proposed development is forecasted to generate a total of 29 vehicle trips (8 inbound, 21 outbound) during the weekday morning peak hour and 36 vehicle trips (22 inbound, 14 outbound) during the weekday afternoon peak hour.

Subtracting the estimated site traffic generated by the existing apartment building, the net increase in site traffic from the proposed development is forecasted to be 21 vehicle trips (6 inbound, 15 outbound) during the weekday morning peak hour and 26 vehicle trips (16 inbound, 10 outbound) during the weekday afternoon peak hour. This is the equivalent of



one vehicle movement every 2.9 minutes during the weekday morning peak hour and one vehicle movement every 2.3 minutes during the weekday afternoon peak hour.

Note: The traffic analysis for the draft report was conducted under a previous site plan that proposed 84 rental dwelling units. As the number of dwelling units has only gone down by four (4) units, the traffic analysis in Section 3.2 and 5.0 was not redone as the analysis conducted simply represents a more conservative analysis.

3.2 Trip Distribution

The trip distribution parameters for distributing site generated vehicle trips to / from the site were developed from existing traffic patterns entering and exiting the study area. The traffic volume assignment is summarized in **TABLE 2**.

TABLE 2
TRIP DISTRIBUTION VEHICLE VOLUMES
FOR SITE GENERATED TRAFFIC

FROM/TO	WEEKDAY A	MPEAK HOUR	WEEKDAYP	MPEAKHOUR
FROW/TO	INBOUND	OUTBOUND	INBOUND	OUTBOUND
George St (North)	0	1	2	1
Fir St (North)	0		1	0
Russell Ave (East)	1 1	2	4	2
Thrift Ave (East)	4	6	5	3
Fir St (South)	0	2	1	0
George Ln (South)	0	0	0	0
George St (South)	0	1	0	0
Thrift Ave (West)	2	6	6	5
Russell Ave (West)	3	4	4	3
TOTAL	8	23	23	14
TOTAL		31		37

The weekday morning and afternoon peak hour site generated traffic volumes of the proposed development for the build-out year of 2022 are illustrated in **FIGURE 13** and **FIGURE 14**.



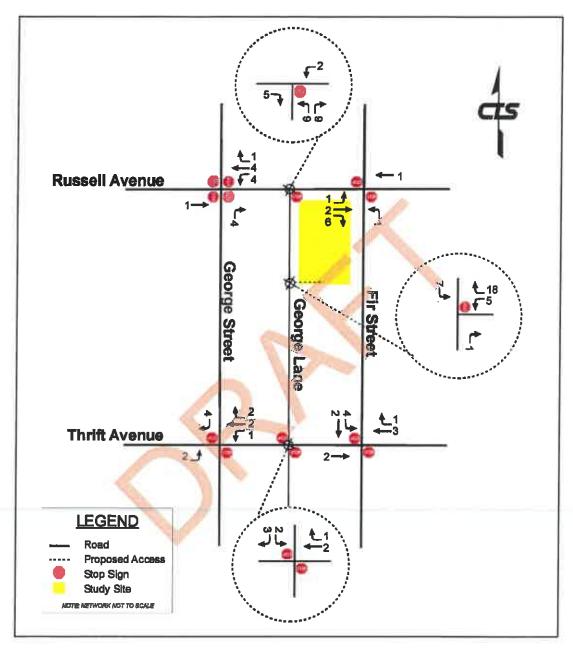


FIGURE 13
WEEKDAY MORNING PEAK HOUR SITE TRAFFIC VOLUMES



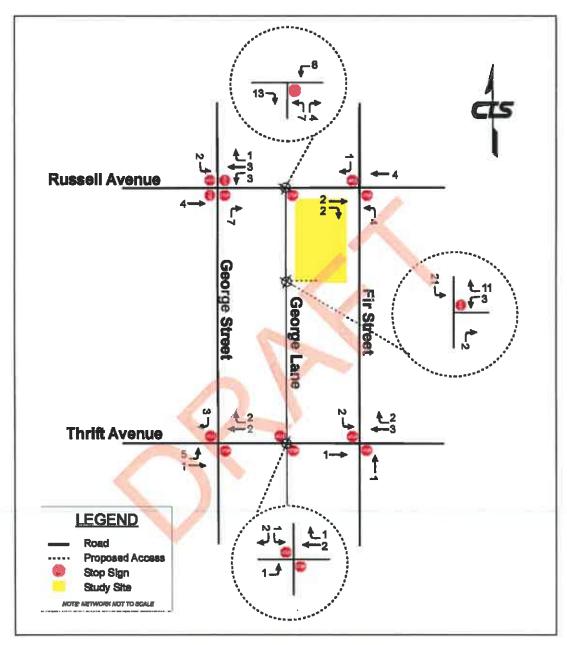


FIGURE 14
WEEKDAY AFTERNOON PEAK HOUR SITE TRAFFIC VOLUMES



4.0 BASE + SITE TRAFFIC VOLUMES

4.1 2022 Future Base + Site Traffic Volumes

The proposed development is anticipated to be fully built-out and occupied by the year 2022. The 2022 future base plus proposed development traffic volumes were calculated by first factoring up the 2019 base traffic volumes up by the approved growth rate of 2.0% per annum (simple-straight line) to the year 2022. The estimated traffic generated by the existing apartment building on the property were then subtracted from the 2022 base. Lastly, the forecast traffic generated by the proposed development were added to the 2020 base traffic volumes.

FIGURE 15 illustrates the total projected traffic for the 2022 weekday morning peak hour consisting of the future base (minus existing apartment building traffic) plus the proposed development site generated traffic.

FIGURE 16 illustrates the total projected traffic for the 2022 weekday afternoon peak hour consisting of the future base (minus existing apartment building traffic) plus the proposed development site generated traffic.

4.2 2027 Future Base + Site Traffic Volumes

The proposed development is anticipated to have been fully built-out and occupied for five years by the year 2027. The 2027 future base plus proposed development traffic volumes were calculated by first factoring up the 2019 base traffic volumes up by the approved growth rate of 2.0% per annum (simple-straight line) to the year 2027. The estimated traffic generated by the existing apartment building on the property were then subtracted from the 2027 base. Lastly, the forecast traffic generated by the proposed development were added to the 2020 base traffic volumes.

FIGURE 17 illustrates the total projected traffic for the 2027 weekday morning peak hour consisting of the future base (minus existing apartment building traffic) plus the proposed development site generated traffic.

FIGURE 18 illustrates the total projected traffic for the 2027 weekday afternoon peak hour consisting of the future base (minus existing apartment building traffic) plus the proposed development site generated traffic.



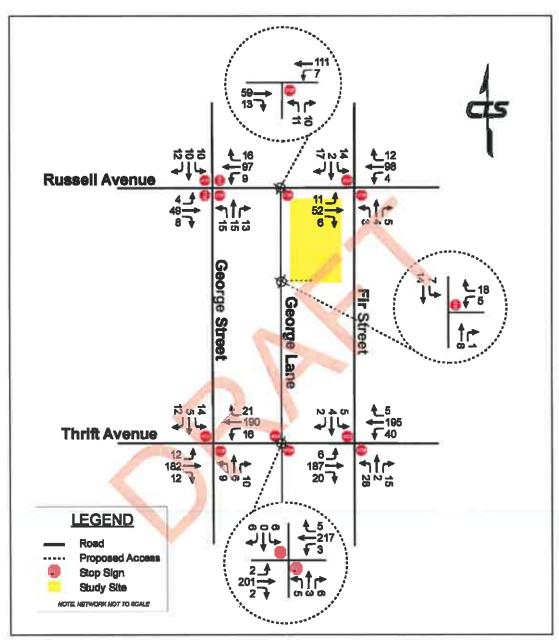


FIGURE 15 2022 WEEKDAY MORNING PEAK HOUR BASE + SITE TRAFFIC VOLUMES



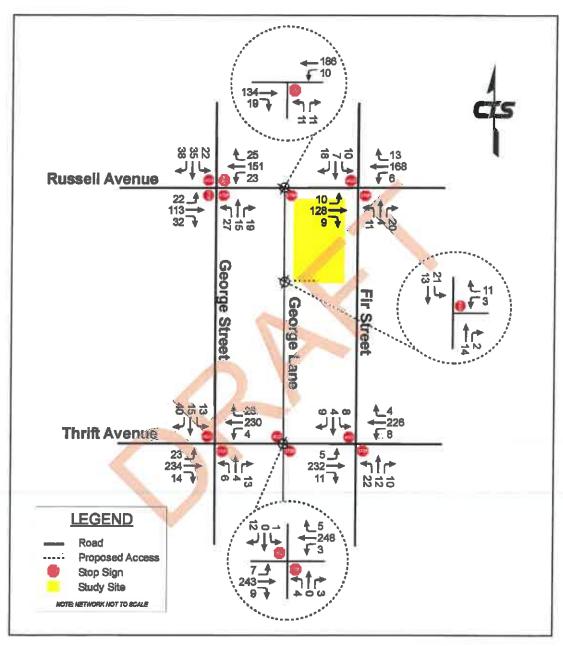


FIGURE 16
2022 WEEKDAY AFTERNOON PEAK HOUR BASE + SITE TRAFFIC VOLUMES



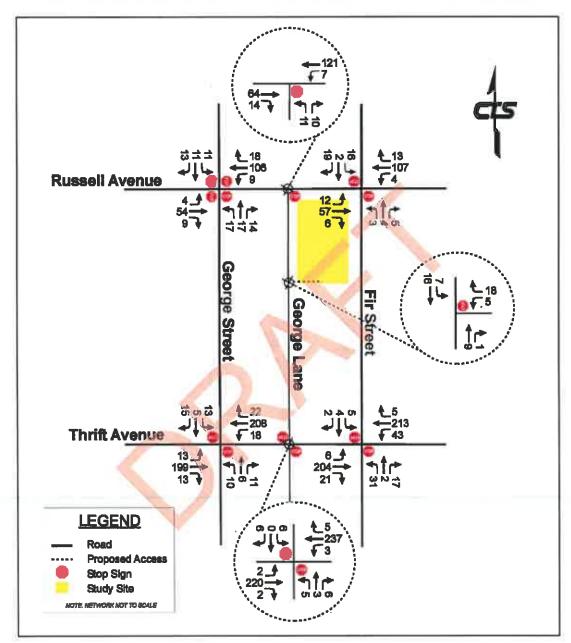


FIGURE 17
2027 WEEKDAY MORNING PEAK HOUR BASE + SITE TRAFFIC VOLUMES



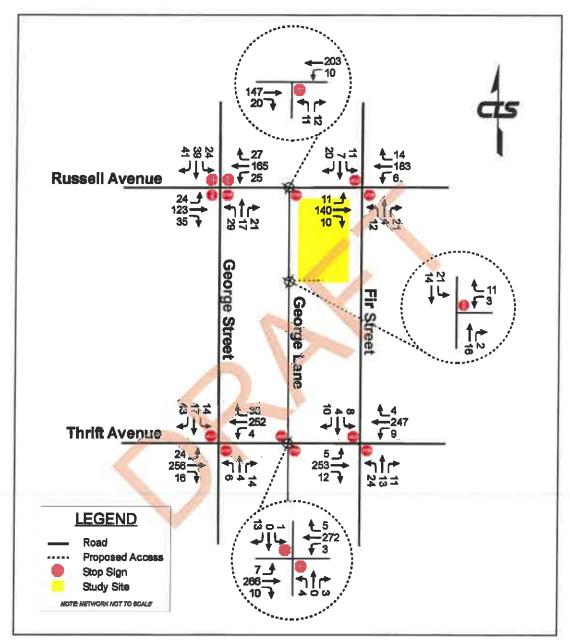


FIGURE 18
2027 WEEKDAY AFTERNOON PEAK HOUR BASE + SITE TRAFFIC VOLUMES



5.0 INTERSECTION CAPACITY ANALYSIS

5.1 Capacity Analysis

Capacity analysis was performed at each of the locations in order to determine the intersection levels of service (LOS) that is provided to motorists. The LOS for intersections and movements is defined in terms of delay (seconds per vehicle), which is a measure of driver discomfort and frustration, fuel consumption and lost travel time.

An intersection or movement LOS can range from "A" (Excellent) to "F" (Fail). See **TABLE 3.** A LOS of "F" (Fall) indicates that an intersection or movement is failing because the intersection or movement is over capacity and delays are considered excessive. A LOS of "D" during the critical peak hours is considered acceptable by many public agencies in large urban areas for overall intersection operation and a LOS of "E" or better is considered acceptable for left turn movements as it recognizes that the intersections normally perform much better the remaining 90% of the day.

TABLE 3
LEVEL OF SERVICE DESCRIPTIONS

Level of Service	Description
A	Excellent
B	Good
	Fair
D	Poor
E	Very Poor
F	Fail

Highway Capacity Software (HCS 7.6) was used for the analysis of the unsignalized intersections.

The following assumptions were made with respect to the intersection capacity analysis:

- Saturation flow rate = 1,900 passenger cars/hour of green time/lane (pcphgpl)
- Peak hour factor (PHF) = 0.83 (weekday morning peak hour) and 0.87 (weekday afternoon peak hour) were the average factors observed from the surveyed intersections.
- Heavy vehicle percentage for roads = 2%

Saturation flow rate is the equivalent hourly rate at which previously queued vehicles can traverse an intersection approach under prevailing conditions, assuming that the green signal is available at all times and no lost times are experienced. It is a base rate to which adjustment factors are applied.



Peak Hour Factor is a measure of traffic demand fluctuation within the analysis hour. The closer the number is to 1.00, the less fluctuation during the hour.

TABLE 4 to **TABLE 10** summarizes and compares the main performance parameters of the intersection capacity analysis for the <u>unsignalized</u> intersections.

For unsignalized intersections, the delay time in seconds for each lane group is summarized. Delay is additional travel time experienced by a driver, passenger, bicyclist, or pedestrian beyond that required to travel at the desired speed.

Wherever necessary, attempts at improvements have been made to maintain intersection and approach movement level of service standards for each of the post-development scenarios. The capacity analysis worksheets with level of services for each individual movement are included in **APPENDIX D**.



TABLE 4
CAPACITY ANALYSIS FOR UNSIGNALIZED INTERSECTION
GEORGE STREET AT RUSSELL AVENUE

TERRECTION	TIME OF	SCENARIO	PERFORMANCE	Đ	USTBOA	10	W	ЕБЛЮ	UND	NO	нтню	UND	50	UTHE:	UND	tos	WATE
ierses irm	EWA	Service.	MEASURE	Cat I	Thru	Regret	Let	Thruc	Rept	Left	Thru	Roger	Left	Dm	Right		01
			Votumes	13	45	7	.0	88	14	14	14	D	9	9	11		
		2019 Beee	Delay		7.5			7.8			7.6			7.4		A	Okay
	11 /1		95% Queue (veh)		0,2	-		0.5	-		0.2			0.1			
			Volumes	4	48	8	7	94	15	15	15	10	10	10	12		
		2022 Base	Dalay		7,8			7,9			7,8			7.5] A	Okay
			95% Queue (veh)		0,3			0.6			0.2			0.1	_		
	Weekdev		Volumes	4	63	9	7	103	17	17	17	11	11	11	13		
	Morning	2027 Base	Delay		7.7			8.1	2		7.7			7.6		A	Okay
	Peak Hour		95% Queue (veh)		0.8			0.8			0.2			0,2			
			Volumes	. 4	49	8	9	97	16	15	15	13	10	10	12		
		2022 Base + Site	Delny		7.6			8.0		1	7.6			7.5		A	Okey
		-110	95% Queue (veh)		0.3			0.6			0.3			0.1			
	1 1		Volumes	4	54	8	0	108	18	17	17	14	11	11	13		
		2027 Base + Site	Delay		7.7			8.1	60		7.7	10		7.6] A	Okas
Seorge Street		Ollo	95% Queue (veh)		0.3			10			0.2	70	i i	0.2	_ _		
/8) at Russell wenue (E/W)			Volumes	20	108	30	19	140	22	25	14	13	10	33	35		
	n I	2019 Base	Delay		8.7			3.0	1		8.8			8,4		A	Okay
			95% Queue (veh)		. 0.8	,		1.0	10		0.3			0.4			
			Volumes	22.	110	22	21	149	24	27	15	14	21	35	38		
	1 1	2022 Base	Delay		9.0	T	-	9.5		1	0,5			8.6		A	Okary
			95% Queue (veh)		0.9	7		12	-		0.3			0.5		1	
	Weekday		Volumes	24	120	35	23	163	26	29	17	16	23	39	41		
	Afternoon	2027 Base	Delay		9.2			9.7			8.7			8.8		A	Okay
	Pask Hour		95% Queue feety		11	,	· w	1.3			0.3			0.6			
			Volume	22	113	33	23	151	25	27	15	19	22	35	38		
		2022 Base + Site	Detay		9.0		100	9.4			8.6			8.7		A	Okay
		City	Selfs Queen (with)	100	1.0			1.2			0.3			0,5			
		× ×	Volumes	24	128	35	25	165	27	29	17	21	24	39	41		
		2027 Ber	Delay		9.4			9.8			8.7			8.8		A	Okay
		- Car	95% Queue (veh)		1.1			1.4			0.4			0.6			(L

Intersection equals or exceeds capacity (LCS ₹); or high approach delays (>> 80sec)

From TABLE 4, the following observations can be made:

George Street at Russell Avenue:

- During the weekday morning peak hour:
 - o The intersection is forecast to continue to operate at LOS A (Excellent) for all horizon years and scenarios.
- During the weekday afternoon peak hour:
 - The intersection is forecast to continue to operate at LOS A (Excellent) for all horizon years and scenarios.



TABLE 5 CAPACITY ANALYSIS FOR UNSIGNALIZED INTERSECTION GEORGE LANE AT RUSSELL AVENUE

INTERSECTION	, TIME OF	SCENARIO	PERFORMANCE	E	smou	ND	W	ESTRO	UND	N	en en	DANK	840	утнво	UND		
TIEROLO NO	DAY	COLIMINO	MEASURE	Let	Tietu	High	Lieft	Time	Fayre	List	Thru	Right	Let	Dus	High	1.05	NOTE
			Volumes		55	1.	18	164		14		3					
		2019 Base	Delay		0	.0	1	.4			9.3					A	Okay
			95% Queua (veh)	17	0	.0		0.0			0.0						
			Valumes	33	59	8	8	111	DO:	6		4					
		2022 Base	Delay	a	0	.0	7	.4			8.4					A	Okay.
			95% Queue (veh)		0	.0	0	.0			0.0						
	Waskday		Volumes		64	10	6	121		- 5		4					
	Morning	2027 Base	Delay		0	.0	7	.4			9.4	_				A	Okay.
	Pesk Hour		95% Quaus (veh)		0	.0	0	.0			0.0					- 1	
			Volumea		59	13	7	111		11	0	10				\neg	
		2022 Base + Site	Delay		0.	.0	7	4		1	9.4	•				A	Okay.
		0.00	95% Queue (veh)		0.	0	0	.0	-	OF.	0.1						
			Volumes		84	14	7	121		11		10					
		2027 Base + Site	Delay		0.	0	7	4			9.5	1				A	Okay.
George Lane N/S) at Russell		0.00	95% Queue (vah)		0.	0	0	.0,			0.1	1					
Avenue (E/W)			Volumes		126	9	3 4	175		5		8	-0				
		2019 Base	Delay		0.	0	7.	7			10.1	-				A	Okay.
			95% Queue (vah)		0.	0	0.	0			0.1						
			Volumes		134	100	4,	188		. 6		0				- 1	
		2022 Bese	Delay		0.	0	- 1.	9		9	10.3					A	Okay.
	1 1		95% Queue (veh)		0.	0 1	O:	6			0.1						
	Weekday		. Volumes	-	447	11	É	203		6		10					
	Affernoon	2027 Base	Delay		0.	0	7.	7			10.4					A	Okay,
	Peak Hour		96% Queue (with)		, Ó.I	0	0.	0			0.1					- 1	-
			Volumes		134	19	10."	186		11		11					
	(i	2022 Base + Site	Delay		0.0	0	7.	7			10.7					A	Olony,
			95% Quote (veh)		0.0		0.	0			0.1						
	İ	1	Vokenes		147	20	10	203		11		12				\rightarrow	
		2027 Basa +	Delay		0.0	,	7.	В			10.8					A	Okay.
		Siko	95% Queue (veh)		0.0	, 1	0.5	,			0.1						

Delay = Assenge Delay (secondensinale)
Intersection approaching capacity (LOS To or Elic; or medium approach delays (25sec to <50sec)
Intersection equals or expecte capacity (LOS T); or high approach delays (\sim 50sec)

From TABLE 5, the following observations can be made:

George Lane at Russell Avenue:

- · During the weekday morning peak hour:
 - The intersection is forecast to continue to operate at LOS A (Excellent) for all horizon years and scenarios.
- During the weekday afternoon peak hour:
 - The intersection is forecast to continue to operate at LOS A (Excellent) for all horizon years and scenarios.



TABLE 6 CAPACITY ANALYSIS FOR UNSIGNALIZED INTERSECTION FIR STREET AT RUSSELL AVENUE

NTERSECTION:	TIME OF	SCENARIO	PERFORMANCE	E/	ьтвоч	240	W	= mo	aneo	100	mn illib	utiti	90	un iec	COND	Los	NOTE
VIERSEL INSV	DAY	BISCANDO.	MEASURE	List	ŦħΛι	High	(Chief)	Dini	Hight.	List	this	High	(Att)	1000	19get	"	III STEEL
			Votumes		5400	1.	·3	03	- 11.	:2	- 3	4	:13	(3)	16.		
		2019 Base	Delay	ii –	7.6			7,4			9,7			9,8] A	Okay.
			95% Queue (veh)		0.0			0.0			0.0			0.1			
	l if		Volumes	10	51	2	4	97	12	3	4	5	14	2	17		
		2022 Base	Delay		7.6			7.4			9.9			10.0		A	Oksy
			95% Queue (veh)		0.0			0.0			0.1			0.2			
- 1	Weekday		Volumes	11	68	2	4	108	13	3	4	5	16	2	19		
	Morning	2027 Base	Datay		7.6			7.4			10.0			10.1	112] A	Okay
	Paak Hour		95% Queue (veh)		0.0			0.0			0.1			0,2		1	
	1		Volumes	11	62	6	4	98	12	3	4	5	14	2	17		
		2022 Base + Site	Daley		7.8			7.4		1	9.9			10,0		A	Okay
	1	-110	96% Queue (veh)		0.0			0.0			81			0,2			
			Volumes	12	57	6	4	107	18	8	14	5	18	2	19	A	
	at (N/S) at	2027 Base + Site	Delay		7.6			7.4	9		10.0	0		10.2		A	Okay
ir Street (N/S) at		Olla	95% Queue (veh)		0.0			0.0			0.1	7		0.2			
Russell Avenue (E/W)			Volumes	9	119	7	6	155	12	7	3	18	9	6	16		
		2019 Bees	Daley		7.8			7.7			10.7			11.4	÷	A	Okay
	9		95% Queue (veh)		0.0			0.0	A.		0.2			0,2			
			Volumee	10	127	- 61	-6	185	13	8	4	20	10	7	17		
		2022 Besa	Delay		7.9		-	2.2.		17	11.0	_		11.7		A	Okay
			95% Queue (veh)		0.0			0.0		Ü.	0.2			0.2			
	Weekday		Volumes	380	430	9	19	180	14	9	4	21	11	7	19		
	Atternoon	2027 Base	Detay		7,9		Va.	7,7			11.3			12.0		A	Okay
	Peak Hour		95% Queue (my		0.0		VE.	0.0	- 1		0.2			0,2			
	1. 1		Volumes	10	125	9.	8	168	13	11	4	20	10	7	18		
	1 1	2022 Base + Site	Delay	W	7.9			7.7			11.3		J	11,7		[A	Closy
			05% Quase (veh)	30	0.0	[]		0.0			0.2			0.2			
			Volumes	11	140	10	6	183	14	12	4	21	11	7	20		
		2027 Base 8	Delay		7.0			7.7	9		11.6			12.0		A	Okay
		Olb	95% Queue (veh)	1	0.0			0.0			0.2			0.3		1 —	

From **TABLE 6**, the following observations can be made:

Intersection equals or exceeds capably (LOS Tr); or high approach daleys (=> 50sec)

Fir Street at Russell Avenue:

- During the weekday morning peak hour:
 - o The intersection is forecast to continue to operate at LOS A (Excellent) for all horizon years and scenarios.
- During the weekday afternoon peak hour:
 - The intersection is forecast to continue to operate at LOS A (Excellent) for all horizon years and scenarios.



TABLE 7 CAPACITY ANALYSIS FOR UNSIGNALIZED INTERSECTION FIR STREET AT THRIFT AVENUE

NTERSECTION	TIME OF	SCENARO	PERFORMANCE	E	ASTEOL	JND.	/W	USTEON	MO	NC	PRTHBC	DHU	BC	илине	UND	LOS	HOTE
TIEROLO NON	DAY	- William Co.	MEASURE	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left.	Thru	Right	LUS	Mone
			Volumes	- 5	174	18.	37.	181	4	26	11.8	11	1	1.1	1		
		2019 Base	Delay		7.8			7.8			13.1			13,2		A	Okay.
			95% Queue (veh)		0.0			0.1			0.3			0.0			
			Volumes	6	185	20	40	192	5	28	2	16	3	2	2		
		2022 Base	Delay	- 2	7.9	7.	- "	7.9	-		13,6	11.		13.6		A	Okay.
			95% Queue (vah)		0.0			0.1			0.4	-		0.1			
	Weekday		Volumes	6	202	21	43	210	5	31	2	17	3	2	2		
	Morning	2027 Base	Delay		7.9	-		8.0			14.6			14.3		A	Okay.
	Peak Hour		95% Queue (veh)		0.0			0.1			0,5			0,1			
			Volumes	6	187	20	40	195	- 5	28	2	15	5	4	2		
		2022 Base + Site	Delay		7.9	//		7.9		1	13.9			14,4	-	A	Okay.
		Oito	95% Queue (veh)		0.0			0.1			0.4.	- 1		0,1		A	
			Volumes	8 204 21 43 213 5 31 2 17 5 4 2 7.9 8.0 14.8 15.1													
		2027 Base + Site	Delay		7.9			8.0			14.8	1		15.1		A	Okay.
ir Street (N/S) at		Old	95% Queue (vah)		0.0			0.1			0.5	1	1	0.1			
Thrift Avenue (E/W)			Volumes	4	217	10	7	210	2	20	10	8	6	3	8		
		2019 Base	Delay		7.0			7.6	10		13.6			12,2	-	A	Okay.
			95% Queue (veh)		0.0	1		0.0	770		0.3			0.1			
			Volumes	5	231	1995	8.	223	100	. 22	11	10	7	4	9		
	li l	2022 Base	Delay		7.9	100		7.9	-	7	14.2			12.7		A	Okay.
			95% Queue (veh)		0.0	-47		0.0			0.4			0.1			
	Weekdey		Volumes	.5	252	12	10	244	3	24	12	- 11	7	4	10		
	Atternoon	2027 Base	Delay		2,9		T.	8.0			15.1			13.1		Α	Okay.
	Peak Hour		95% Quinum (Van)		0.0		V	0.0			0.5	_		0.2			
			Volumes .	6	232	31		228	4	22	12	10	8	4	8		
		2022 Base + Site	Delay	10	7.9		7	7.9			14.3			12.9		A	Okay.
		SKE	96% Queus (veh)	1	0.0			0.0			0,4			0,2			
			Volumes	5	253	12	9	247	4	24 13 11 8 4 10							
		2027 Beés +	Delay		5.0			8.0			16.2			13.4		A	Okay.
		Olife	95% Queue (veh)		0.0			0.0	\neg		0.5	_		0.2	-		•

Delay a Average Delay (seconds/Achiole)
Intersection approaching opposity (£08 That E); or medium approach delays (25sec to <50sec)
Intersection equals or exceeds capacity (£08 Th); or high approach delays (⇔ 50sec)

From **TABLE 7**, the following observations can be made:

Fir Street at Thrift Avenue:

- During the weekday morning peak hour:
 - o The intersection is forecast to continue to operate at LOS A (Excellent) for all horizon years and scenarios.
- During the weekday afternoon peak hour:
 - o The intersection is forecast to continue to operate at LOS A (Excellent) for all horizon years and scenarios.



TABLE 8 CAPACITY ANALYSIS FOR UNSIGNALIZED INTERSECTION GEORGE LANE AT THRIFT AVENUE

TERSECTION	TIME OF	SCENARIO	PERFORMANCE	ш	57904	MC	W	ESTRO	UND	NO	ARTHUS C	CONTRACT	-40	OBHTU	TeNE	tos	MOTHE
TENSES INTE	DAY		MEASURE	Lift	Tiru	flight	tat	Time	Burt	ш	Thru	Right	List	Dies.	Sight	100	Trans.
			Volumee	7,5	380	1	2	203	0.	14	- 2	#-	3	0	2:		
		2019 Base	Delay		7.9			7.7			11.4			11.8		A	Okay.
			95% Queue (veh)		0,0			0.0			0.1			0.0			
	1		Volumes	2	201	2	3	215	4	6	3	6	4	0	3		
		2022 Base	Daley		7.9			7,8		Щ.,	11.9			12.1] A	Okay
			95% Queue (veh)		0.0	000		0.0	السي		0.1			0.0			
	Weekday		Volumes	2	220	2	3	235	4	5	3	6	4	D	3		
	Morning	2027 Base	Delay		8.0			7.8			12.3			12.6	0] ^	Okay
	Pank Hour		85% Queus (veh)		0.0			0.0			0.1			0,1			
	1 1		Volumes	2	201	2	8	217	- 5	- 6	1	6	8	0	8		
		2022 Base + Site	Delay		7.9			7.8		1	11.9			11,9] A	Okay
			95% Queue (veh)	,(0	0.0			0.0			0.1			0.1			
	2027 Base 4 Site		Volumes	2	220	2	3	237	.5	6	3	6	8	0	8		
			Dolay		8.0			7.8	A.	1	12.4	100		12,3] A	Okay
George Lane N/S) at Thrift			98% Queus (veh) 0.0 0.1 0.1														
wenue (EM)			Volumes	5	229	8	2	232	3	3	0	2	0	0	9		
		2019 Base	Daley		8.0			2.2	- 40		125			10.2		A	Okay
			96% Queue (veh)		0.0		<u> </u>	0.0			0.0			0.0	v		
			Volumes	8	243	(6)	3	248	1	4	0	3	0	0	10		
		2022 Base	Delay		8.1	The same	1	20			12.9		()	10.4] A	Okay
			95% Quaus (veh)		0,0	1		0.0	-		0.1			0.1			
	Weekday		Volumes	8	268	10	147	270	4	4	0	3	0	0	11		
	Afternoon	2027 Base	Delay	F	4.1		V.	8.1			13.5			10.6		A	Okay
	Peak Hour		95% Queue (west)		0.0		1	0.0			0.1			0,1			
			Volume	7	243	B	3	248	5	4	0	3	1	0	12		
		2022 Base + Site	Delay	1	8.1			8.0			120			10.8		A	Olcay
			25% Owner (Wh)	10	0.0			0.0			0.1			0.1			
			Volumes	7.	298	10	3	272	5	4	0	3	1	0	13		
		2027 Beri	Delay		0.1	Ψ		8.1			13.5			11,0	.0	A	Okay
		1.40	95% Queue (veh)	4	0.0			0.0			0.1			0.1			

From **TABLE 8**, the following observations can be made:

Intersection equals or exceeds capacity (LOS P); or high approach delays (=> 60eso)

George Lane at Thrift Avenue:

- During the weekday morning peak hour:
 - o The intersection is forecast to continue to operate at LOS A (Excellent) for all horizon years and scenarios.
- During the weekday afternoon peak hour:
 - o The intersection is forecast to continue to operate at LOS A (Excellent) for all horizon years and scenarios.



TABLE 9 CAPACITY ANALYSIS FOR UNSIGNALIZED INTERSECTION GEORGE STREET AT THRIFT AVENUE

NTERSECTION	TIME OF	SCENARIO	PERFORMANCE	単	is mor	NO.	W	ESTRO	MD.	MC	mmer	ONE	60	OUTHS	DUND	108	NOTE
Micheller	DAY	- 50-25 MONEY	MEASURE	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right		DATE:
			Volume	10	171	31	14	177	1.7	8.	15	0	11	14	11		
		2019 Base	Delay		7.8			7,7			12,1			12.4	-	A	Okay.
			95% Queue (veh)		0.0			0.0			0,2			0.2		1	
			Volumes	11	182	12	15	188	19	9	6	10	12	5	12		
		2022 Base	Delay		7,9			7.8			12.5			12,9		A	Ckay.
			95% Queue (veh)		0.0			0.0			0.2	,,		0.2	101		
	Weekday		Volumes	12	199	13	17	206	20	10	6	11	13	5	13		
	Morning	2027 Base	Delay		7.9	-		7.8			13.1		_	13.5	1	A	Qkay.
	Peak Hour		95% Queus (veh)		0.0			0.0			0,2			0.2			
			Volumes	12	182	12	16	190	21	9	1	10	12	5	14		
		2022 Base + Sita	Delay		7.9			7.8		1	12.6	-		12,8	•	A	Okay
		Sile	95% Queue (veh)		0.0			0.0			0.2			0.2			
	li i		Volumes	13	199	13	18	208	22	10	6	11	13	5	15	A	
		2027 Base + Site	Delay		7.9			7.8			13.2	VA.		13.4	-	A	Okay.
George Street		Sile	96% Queue (veh)		0.0			0.1			0.2	7	1	0.3			
(N/\$) at Thrift Avenue (E/W)	-		Volumes	18	219	13	3 4	215	24	6	3	12	12	14	36		
, ,		2019 Base	Delay		8.0		-	7.0	45		12.6			13.5		A	Okay.
			95% Queue (veh)		0.1			0.0	-		0.1			0.5			
			Volumee	20	233	- 34	-4	228	26	. 8	4	13	13	15	36		
		2022 Base	Delay		8.1	No.		7.9	-		13.3			14.0		A	Okay.
			95% Gueun (veh)		0.1	V		0.0	Do-		0.2			0.6			
	litta a kedani		Volumes	21	255	18	All	250	28	6	4	14	14	17	41		
	Weekday Atternoon	2027 Bess	Delay		0.2		1	8.0			13.8	-	_	15.0	-	A	Okay,
	Peak Hour		95% Queue (with)		0.1		Va	0.0			0.2	\neg		0,7			
			Volumes	23	254	54	4	230	28	6	4	13	13	15	40		
		2022 Base + Site	Delay	-	8.1		-	7.9			13.4			14.1		A	Okay.
		Olle	95% Gueur (veh)		0.1			0.0	\neg		0.2			0.6			
			Volumes	24	256	18	4	252	30	0	4	14	14	17	43		
		2027 Base +	Delay		0.2			8.0	\neg	_	14.0			15.1		A	Okay.
l II		Olfs	95% Queue (veh)	1	0.1	\neg		0.0			0.2	-		0.7			•

Delay = Atenage Delay (seconds/lahlole)
Intersection approaching capacity (LCS 'D' or 'E'); or medium approach delaye (25eec to <50ec)
Intersection equals or exceeds capacity (LCS 'P'; or high approach delays (>> 50ec)

From TABLE 9, the following observations can be made:

George Thrift at Thrift Avenue:

- During the weekday morning peak hour:
 - o The intersection is forecast to continue to operate at LOS A (Excellent) for all horizon years and scenarios.
- During the weekday afternoon peak hour:
 - The intersection is forecast to continue to operate at LOS A (Excellent) for all horizon years and scenarios.



TABLE 10 CAPACITY ANALYSIS FOR UNSIGNALIZED INTERSECTION GEORGE LANE AT SITE ACCESS

NTERSECTION	TIME OF	SCEWARIO	PERFORMANCE	184	STBOL	IND	W	STAD	ana	NO	em acı	and a	80	uthbo	JHID .	105	NOTE
MICHAEL HAIV	DAY	CARSON SIN	t = M Litt	Let	Thru	Bijel	Let	thiù	Right	Left	Buil	Hijri	tat	Dinic	Rigit	1	0.000
			Volumes:	()			3		18		(0)	36.	17	14:			
		2022 Bese + Site	Delay		153	200		8,5			0	.0	7	.3		A	Okay.
			95% Queue (veh)					0.1			0	.0	0	.D			
George Lane		Volumes				5		18		9	1	7	16				
		2027 Bese + Site	Delay					8.5			0	.0	7	.3		A	Dicay
			95% Queue (veh)					0.1			0	.0	0.0				
(N/S) at Site Access (E/W)			Volumes				3		11		14	2	21	13			
, ,	h 1	2022 Bass +	Delay		50			8.6		0	0	.0	7	.3		A	Clary
		8ita	95% Queue (veh)					0.0			0	.0	0	.0			
			Volumee				3		11		15	2	21	14			
	2027 Sees + Site	Delay					8.8		100	0	.0	7	.3		A	Okary	
		95% Queue (veh)			0.0		1 12	0	.0	0	.0						

From TABLE 10, the following observations can be made:

Intersection approaching capacity (LOS O' or T); or medium approach delays (25sec to <50sed Intersection equals or exceeds capacity (LOS T); or high approach delays (~ 50sec)

George Lane at Site Access:

- During the weekday morning peak hour:
 - The intersection is forecast to continue to operate at LOS A (Excellent) for all horizon years and scenarios.
- During the weekday afternoon peak hour:
 - o The intersection is forecast to continue to operate at LOS A (Excellent) for all horizon years and scenarios.

Capacity Analysis Conclusion:

The capacity analyses showed that all of the study intersections are anticipated to continue to operate at level of service A (Excellent) in all of the analyzed horizon years with the proposed development traffic included. No geometric changes are required in order to accommodate the traffic volume growth anticipated within this study.



6.0 2045 LINK VOLUMES

The City of White Rock requested that estimates for the 2045 traffic volumes within the study network be made in order to provide a point of reference for the City of White Rock 2045 OCP.

As this scenario is 26 years into the future, it is difficult to accurately forecast vehicle volumes in the context of intersection analysis. Therefore, peak hour road link volumes were determined to provide an estimated magnitude of vehicle volumes.

FIGURE 19 and FIGURE 20 show the estimated 2-way link volumes for the morning and afternoon peak hour based on an approved growth rate of 2.0% per annum (simple-straight line) factored up from the 2019 turning movement counts with the proposed site traffic included.



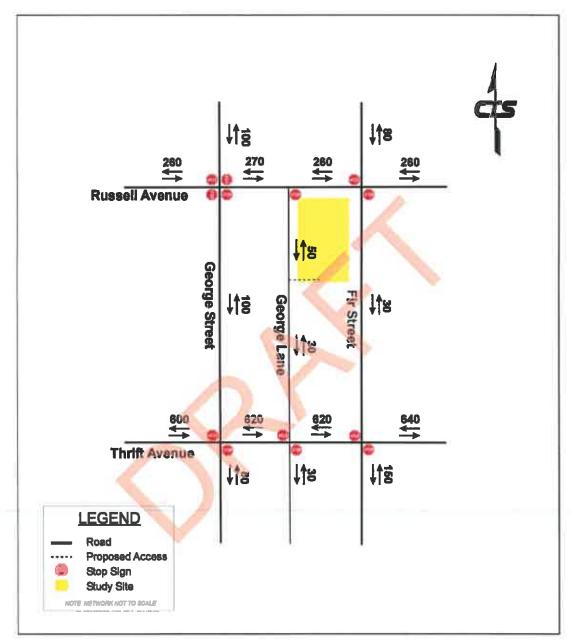


FIGURE 19 2045 WEEKDAY MORNING PEAK HOUR LINK VOLUMES



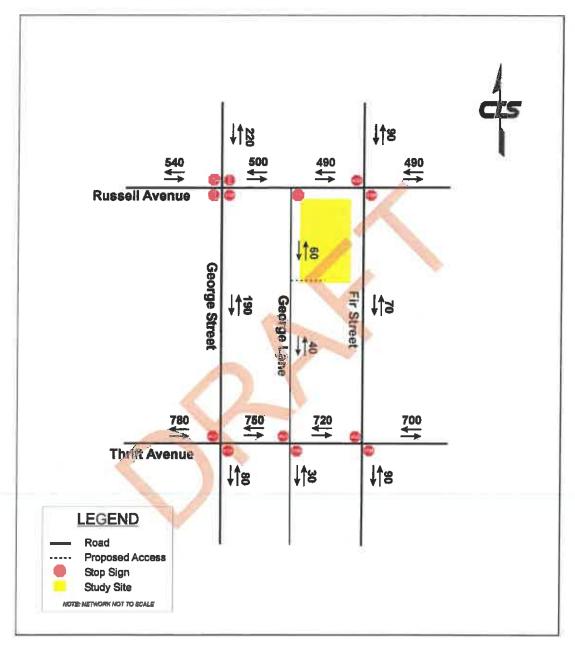


FIGURE 20 2045 WEEKDAY AFTERNOON PEAK HOUR LINK VOLUMES



7.0 PARKING REVIEW

7.1 Parking Requirements

7.1.1 Vehicle Parking Requirements

The required parking spaces for the proposed development are summarized in **TABLE 11** with reference to the *City of White Rock Zoning Bylaw Section 4: General Provisions & Regulations*.

TABLE 11
BYLAW VEHICLE PARKING SPACE REQUIREMENTS

Land Use Bylaw Classification	Parking Space Type	Required Parking Rate	# of Units	Parking Stalls Required
Table 4.14.1 - Apartment	Residential Spaces	1.2 per Dwelling Unit	80	96
Table 4.14.1 - Apartment	Visitor Spaces	0.3 per Dwelling Unit	80	24
HEY A	N. F.	120		

As shown in **TABLE 11** above, the total number of required parking spaces for the proposed development is 120 parking spaces – 96 parking spaces for residents and 24 parking spaces for visitors. The proposed development is providing a total of 108 parking spaces – 84 parking spaces for residents and 24 parking spaces for visitors, resulting in a variance of 12 parking spaces, or 10%.

With reference to the City of White Rock Zoning Bylaw Section 4.14.9, 40% of the total parking provided may be small car spaces, resulting in an allowance of 43 small car spaces within the proposed development. The proposed development is providing a total of 33 small car parking spaces.

With reference to the *City of White Rock Zoning Bylaw Section 4.14.6*, two (2) handicapped / accessible parking spaces are required of the proposed development. The propose development is providing a total of three (3) handicapped / accessible parking spaces – two (2) parking spaces for residents and one (1) parking space for visitors.

With reference to the *City of White Rock Zoning Bylaw Section 4.17.1*, "a minimum of 1 of every 10 off-street parking spaces shall feature an energized outlet capable of providing Level 2 charging...[and] an additional 1 of every 10 off-street parking spaces shall feature roughed-in electric vehicle charging infrastructure". The proposed development will be exceeding the bylaw requirement it its provision of 24 electric vehicle charging stations.



7.1.2 Bicycle Parking Requirements

The required bicycle parking spaces for the proposed development are summarized in **TABLE 12** with reference to the *City of White Rock Zoning Bylaw Section 4: General Provisions & Regulations*.

TABLE 12
BYLAW BICYCLE PARKING SPACE REQUIREMENTS

Land Use Bylaw Classification	Bicycle Space Type			Bicycle Space Required				
Table 4.16.3 - Apartment	Class I	1 per Dwelling Unit	80	80				
Table 4.16.3 - Apartment	Table 4.16.3 - Class II 0.2 per Dwelling I lott 80							
	Total Required Parking Spaces							

As shown in **TABLE 12** above, the total number of required bicycle parking spaces for the proposed development is 96 bicycle parking spaces — 80 Class I parking spaces and 16 Class II parking spaces. The proposed development is exceeding the bylaw requirement in its provision of 90 Class I parking spaces and 16 Class II parking spaces.

7.1.3 Loading Space Requirements

With reference to the City of White Rock Zoning Bylaw Section 4.15.2 and 4.15.3, one (1) off-street loading space is required. The propose development meets the bylaw requirement in its provision of one (1) loading space accessed via George Lane as per the architectural drawings attached in APPENDIX A.



7.2 Parking Variance

To consider the 10% parking variance, the proposed land uses, existing nearby amenities and infrastructure, and opportunities for alternative modes of travel were considered.

7.2.1 City of White Rock Policy

With reference to the City of White Rock 2045 OCP, Objective 11.2 is "to support rental housing and a range of non-market housing options and needs along the housing spectrum". This proposed rental apartment development aligns with the City's OCP objectives and a parking relaxation should be considered given Policy 11.2.1 g) recommends "reviewing parking requirements to determine the extent to which they can be relaxed for non-market and rental housing within walking distance of frequent transit service and / or commercial areas.

The propose rental apartment development is only a six (6) minute walk to White Rock Centre, which connects to Translink's Frequent Transit Network.

7.2.2 Adjacent Land Uses and Amenities

As previously noted in **Section 1.0**, the site is conveniently located near amenities and public transit. The following attractions and destinations are all approximately a five (5) to fifteen (15) minute walk from the study site:

- Semiahmoo Shopping Centre
- Peace Arch Hospital
- Commercial / retail developments all along Johnston Road
- White Rock Centre transit exchange
- Earl Marriott Secondary School
- Peach Arch Elementary
- Kent Street Activity/Centre

7.2.2 Sustainable Transportation

The study area has good connectivity to transit, as well as cycling and pedestrian infrastructure as noted previously in **Section 1.3**. The White Rock Centre transit exchange is only a six (6) minute walk from the site, resulting in a total of nine (9) bus routes servicing the study network. Within the adjacent road network, Thrift Avenue is a shared lane bike route. Martin Street, Best Street, and Finlay Street are also shared lane bike routes. The study area is well connected with sidewalks. All roads within the study area have a sidewalk on at least one side.



7.2.3 ITE Peak Parking Demand

In order to consider the peak parking demand of the proposed development, the Institute of Transportation Engineers (ITE) Parking Generation Manual 5th Edition is referenced.

The parking generation manual contains observed data for common land uses, along with an average peak parking demand based on variables such as gross floor area, number of dwelling units, or number of bedrooms.

Land Use Code 221 – Multi-family Housing (Mid-Rise), provides data that represents multi-family developments, that include apartments, townhouses, and condominiums located within the same building, and are between three and ten levels (floor) of residence. The peak period of parking demand occurs between 22:00 to 05:00.

For the parking demand analysis, CTS only considered data from the general urban/sub-urban scenario. General urban/sub-urban areas are associated with almost homogenous vehicle centred access. Although the proposed development is located in an area with good alternative transportation infrastructure, this setting is applied as it describes the City of White Rock as a whole.

With reference to the ITE Parking Generation Manual 5th Edition, the average parking demand of the proposed development is summarized in **TABLE 13** below.

TABLE 13
ITE PEAK PARKING DEMAND

Land Use Description	Land Use	Period	Average Rate as per ITE Parking Generation Se	Scope	Unit Of Measurement	Average Parking Demand	
Multi Family (Mid-Rise)	222	Weekday	1.31 Per Dwelling Unit	80	Dwelling Units	104.8	
Total Required Parking Spaces							

As illustrated in TABLE 13 above, if the average peak parking demand rate is applied to the proposed development, the average peak parking demand is forecasted to be approximately 105 parked vehicles. The proposed development is providing 108 parking spaces, exceeding the ITE peak parking demand by three (3) parking spaces.



7.2.4 Transportation Demand Management Initiatives

7.2.4.1 Pedestrian Facilities and Initiatives

Walking is the primary mode of transportation for nearly everyone whether linking with cycling, transit or vehicle modes. People will generally walk for up to fifteen minutes or within a distance of 400 to 800 meters (five to ten minute walk) to connect with another mode or access local amenities.

To encourage transportation by walking, the applicant has committed to providing the following initiatives:

 Directional signage within the lobby or at the main entrance for the nearest bus stops and estimated walking times to popular destinations

7.2.4.2 Bicycle Facilities and Initiatives

People will generally travel by blcycle up to five kilometers to their place of work, for recreation, or personal reasons.

To encourage transportation by bicycling, the applicant has committed to providing the following initiatives:

- Residents will receive a welcome package containing transit and cycling information.
- A bicycle repair station with including a tire pump will be provided within the parkade.
- Extra hooks for heimets to be locked to will be included in the bicycle lockers for convenience
- Many of the Class I bloycle parking spaces are located on P1 and P2 with direct access to the elevators. The rest of the Class I bicycle parking spaces on P2 have convenient access to the elevators.
- Residents will receive a \$30 gift card towards a local bicycle shop.
- All of the sixteen (16) Class II bicycle parking spaces are located at street level next to the main entrance.
- Gently sloped ramps leading up to the main entrance for cyclist comfort.

7.2.4.3 Transit Facilities and Initiatives

To encourage the use of public transit, the applicant has committed to providing the following initiatives:

- Directional signage within the lobby or at the main entrance for the nearest bus stops and estimated walking times to popular destinations.
- Residents will receive a pre-loaded compass card (e.g. \$100).
- Residents will receive a welcome package containing transit and cycling information.
- A live screen within the lobby displaying current bus route schedules



7.2.4.4 Vehicle Facilities and Initiatives

To encourage more sustainable transportation, the applicant has committed to providing the following initiatives:

• Twenty-four (24) electric charging stations on P2 of the proposed development.





8.0 ON-SITE CIRCULATION

Loading Bay:

Swept path analysis was conducted on the medium-size loading bay off George Lane using MSUTAC (medium single-unit truck) as the design vehicle. An MSUTAC is able to parallel park in a single manoeuvre and exit without any conflicts. See **FIGURE 21** for the swept path analysis.

Parkade Access:

FIGURE 22 illustrates the swept path analysis for two PTACs (TAC passenger vehicles) passing each other while entering and exiting the parkade access simultaneously. Please note that the length of a PTAC (TAC passenger vehicle) is 5.6 metres, which is the length of a crew cab short bed pick-up truck. As illustrated in FIGURE 22, while the space is tight for two crew cab short bed pick-up trucks passing each other, there are no conflicts.

While the swept path analysis in **FIGURE 22** showed that two crew cab short bed pick-up trucks are able to narrowly pass each other without conflicts, in reality, most passenger vehicles are smaller and will be able to pass each other more easily. Swept path analysis was conducted on the same manoeuvre using two Honda Accords to illustrate typical passenger cars passing each other on the parkade access.

FIGURE 23 illustrates the swept path analysis for two Honda Accords passing each other while entering and exiting the parkade access simultaneously. The length of the Honda Accord used is 4.93 metres, which is more of a typical passenger vehicle. As illustrated in FIGURE 23, two small cars are able to pass each other without conflicts.

South Drive Aisle Corners.

FIGURE 24 illustrates the swept path analysis for two PTACs (TAC passenger vehicles) passing each other on the southeast corner from which connects the parkade access ramp to P1 and on the southwest corner which connects P1 to P2. Please note that the length of a PTAC (TAC passenger vehicle) is 5.6 metres, which is the length of a crew cab short bed pick-up truck. As illustrated in FIGURE 24, while the space is tight for two crew cab short bed pick-up trucks passing each other, there are no conflicts.

While the swept path analysis in **FIGURE 24** showed that two crew cab short bed pick-up trucks are able to narrowly pass each other without conflicts, in reality, most passenger vehicles are smaller and will be able to pass each other more easily. Swept path analysis was conducted on the same manoeuvre using two Honda Accords to illustrate typical passenger cars passing each other on the south drive aisle corners.

FIGURE 25 illustrates the swept path analysis for two Honda Accords (small cars) passing each other on the southeast comer from which connects the parkade access ramp to P1 and on the southwest corner which connects P1 to P2. The length of the Honda Accord used is 4.93 metres, which is the length of a typical passenger vehicle. As illustrated in FIGURE 25, two small cars are able to pass each other without conflicts.



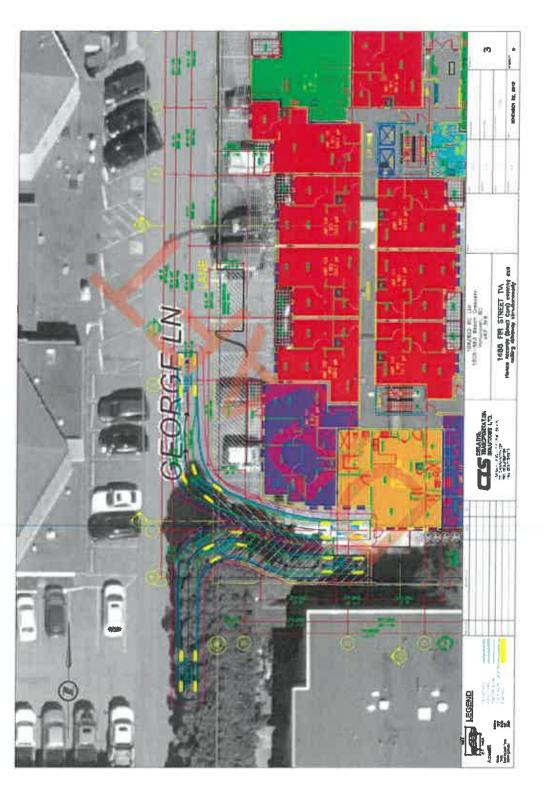




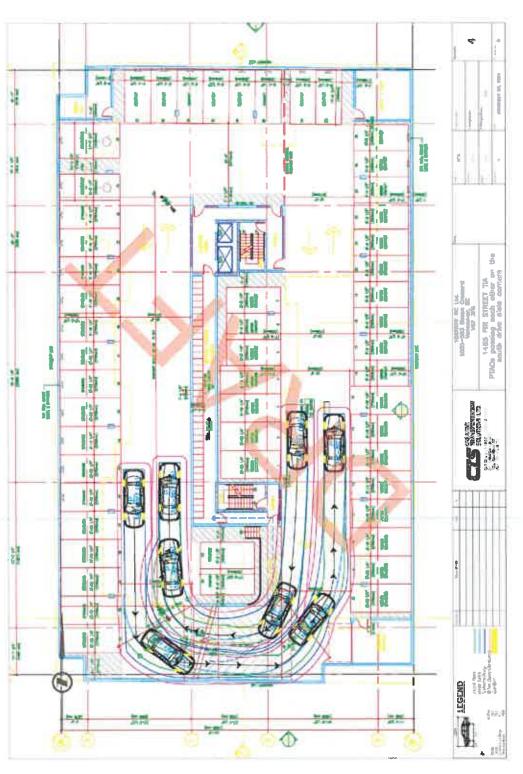
FIGURE 22 PTAC SWEPT PATH ANALYSIS ON 2-WAY PARKADE ACCESS



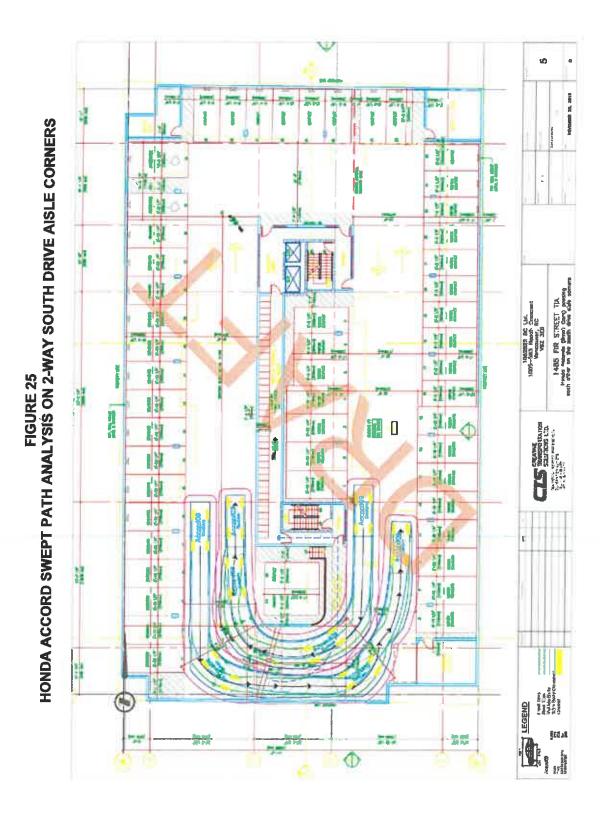
FIGURE 23 HONDA ACCORD SWEPT PATH ANALYSIS ON 2-WAY PARKADE ACCESS











9.0 CONCLUSIONS & RECOMMENDATIONS

9.1 Conclusions

- 1) 1062822 BC Ltd is proposing to build a rental apartment development consisting of 80 dwelling units at 1485 Fir Street in the City of White Rock.
- 2) The study site is situated in a transit oriented neighbourhood with convenient access to commercial and retail developments:
 - There are nine (9) bus routes servicing the study area, with the White Rock Centre transit exchange only a six (6) minute walk from the site.
 - Within the adjacent road network, Thrift Avenue is a shared lane bike route. Martin Street, Best Street, and Finlay Street are also shared lane bike routes.
 - All roads within the study area have a sidewalk on at least one side.
- 3) The southwestern sightlines at George Lane at Thrift Avenue for pedestrians crossing from the northwest to northeast corner are deficient. A "Watch for Pedestrians" warning sign and tactile paving on the northwestern and northeastern corners is recommended.
- 4) CTS conducted turning movement counts on Wednesday April 3rd, 2019 from 07:00 to 09:00, 11:00 to 13:00, and 15:00 to 18:00 to document the typical weekday peak hour traffic volumes for the study area.
- 5) The weekday morning and afternoon peak hours were chosen as the dominant design hours and was observed to occur from 08:00 to 09:00 and from 15:00 to 16:00.
- 6) 2022 is anticipated to be the year of full buildout for the proposed development. The 2019 base traffic volumes were factored up by a traffic volume growth rate of 2.0% per annum (simple straight line) to represent the future base 2022, 2027 and estimated 2045 volumes.
- 7) The proposed development is forecasted to generate a total of 29 vehicle trips (8 inbound, 21 outbound) during the weekday morning peak hour and 36 vehicle trips (22 inbound, 14 outbound) during the weekday afternoon peak hour.
- 8) Subtracting the estimated site traffic generated by the existing apartment building, the net increase in site traffic from the propose development is forecasted to be 21 vehicle trips (6 inbound, 15 outbound) during the weekday morning peak hour and 26 vehicle trips (16 inbound, 10 outbound) during the weekday afternoon peak hour.
- 9) The intersection capacity analysis noted that during the weekday morning and afternoon peak hours, all intersections are forecasted to operate at LOS A (Excellent) for all horizon years and scenarios.



- 10) The total number of required parking spaces for the proposed development is 120 parking spaces 96 parking spaces for residents and 24 parking spaces for visitors. The proposed development is providing a total of 108 parking spaces 84 parking spaces for residents and 24 parking spaces for visitors, resulting in a variance of 12 parking spaces, or 10%.
- 11) The City of White Rock 2045 OCP objective and policies support rental housing developments and consideration of parking requirement relaxations for such developments within walking distance of frequent transit service and / or commercial areas. The proposed development satisfies these conditions.
- 12) The ITE Parking Generation Manual 5th Edition data yield's a peak parking demand of 105 parking spaces for the proposed development which is 15 parking spaces less than the Bylaw requirement and three (3) parking spaces below what is being provided by the proposed development.
- 13) The applicant is providing the following transportation demand management initiatives:
 - Residents will receive a welcome package containing transit and cycling information.
 - A bicycle repair station with including a tire pump will be provided within the parkade.
 - Extra hooks for helmets to be locked to will be included in the bicycle lockers for convenience
 - Many of the Class I bicycle parking spaces are located on P1 and P2 with direct access to the elevators. The rest of the Class I bicycle parking spaces on P2 have convenient access to the elevators.
 - Residents will receive a \$30 gift card towards a local bicycle shop.
 - All of the seventeen (17) Class II bicycle parking spaces are located at street level next to the main entrance.
 - Gently sloped ramps leading up to the main entrance for cyclist comfort.
 - Directional signage within the lobby or at the main entrance for the nearest bus stops and estimated walking times to popular destinations
 - Residents will receive a pre-loaded compass card (e.g. \$100).
 - A live screen within the lobby displaying current bus route schedules
 - Twenty-four (24) electric charging stations on P2 of the proposed development.



9.2 Recommendations

Based on this transportation impact assessment study, CTS recommends the following:

- 1) The applicant work with the City of White Rock to ensure any improvements to the fronting sldewalks align with the City of White Rock's Strategic Transportation Plan.
- 2) The City of White Rock grant the applicant's 10% or 12 vehicle parking stall variance request for the proposed development based on the supporting information provided in this report.
- 3) The City of White Rock consider installing tactile paving on the northwestern and northeastern corners of George Lane at Thrift Avenue.
- 4) The City of White Rock consider installing a "Watch for Pedestrians" warning sign for southbound traffic at George Lane at Thrift Avenue.



We would like to take this opportunity to thank you for this unique project and we look forward to working with you again in the future. Please call the undersigned should you have any questions or comments.

Yours truly,

CREATIVE TRANSPORTATION SOLUTIONS LTD.

Reviewed by:

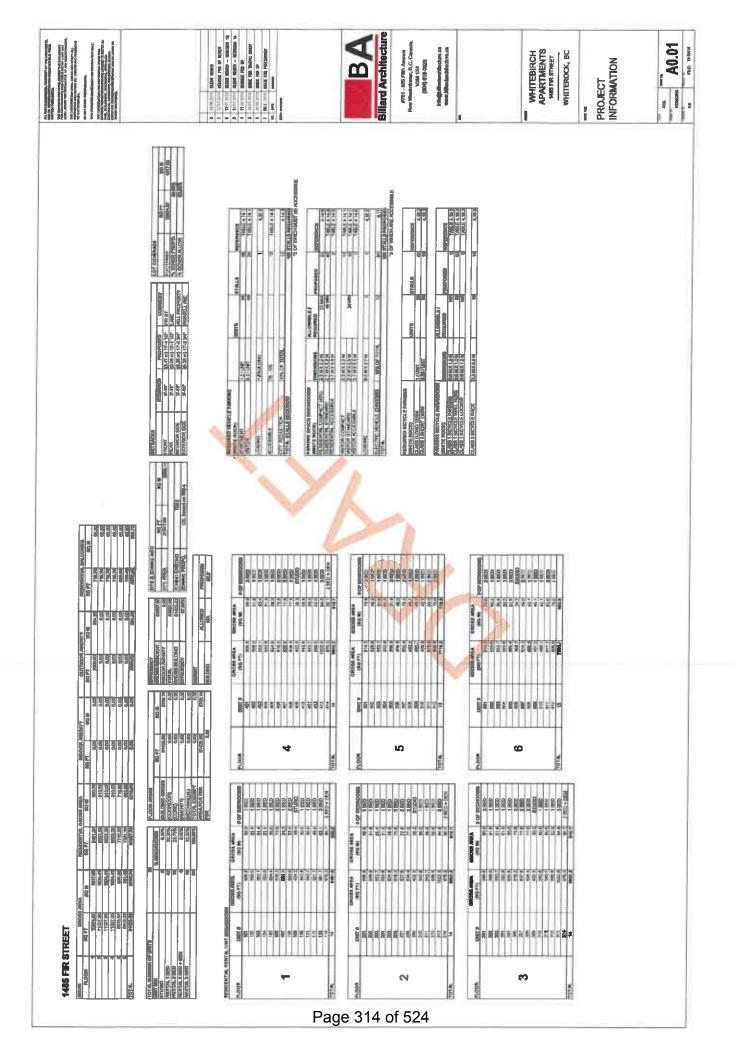
Prepared by:

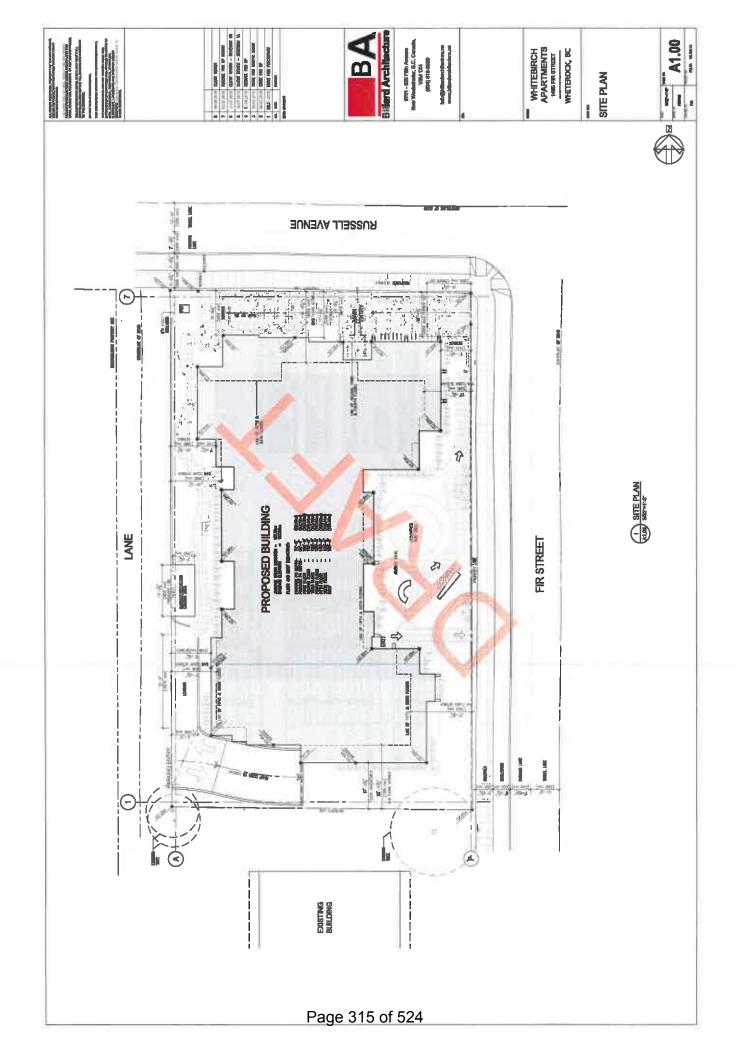
Gary Vileg, P.Eng. Engineering Group Manager Jacqueline Lee, EIT Junior Traffic Engineer

Attachment

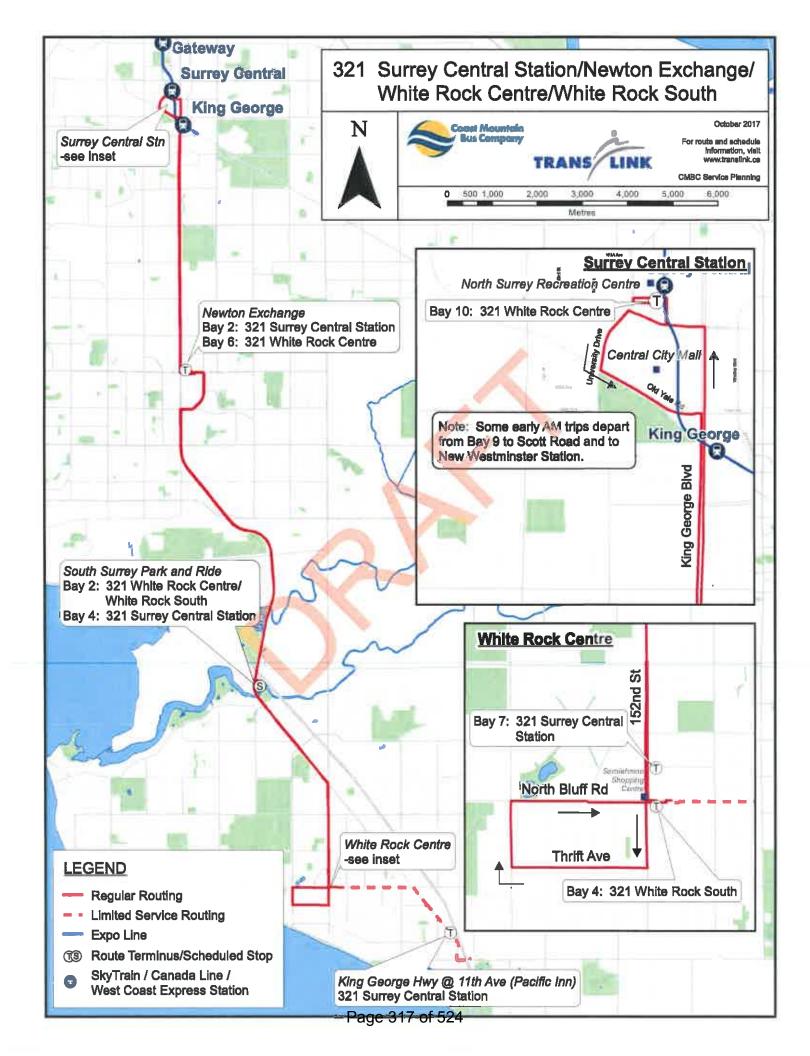


Appendix A Architectural Drawing





Appendix B Translink Timetables



321 Surrey Central Station

From King George Blvd at 1100 Block via King George, 16 Ave, 152 St (White Rock Centre); or from North Bluff at Foster via North Bluff, 152 St (White Rock Centre); then via 152 St, King George, South Surrey Park & Ride, King George, 68 Ave, 138 St, 72 Ave, Newton Exchange, 72 Ave, King George (King George Station), 102 Ave, City Pkwy to Surrey Central Station.

Surrey C	GIILLOI	Statit	<i>)</i>						
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321 Surrey Central Station

White Rock South to White Rock Centre, Newton Exchange and Surrey Central Station.
(Refer to Monday to Friday for routing)

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321 Newton Exchange/White Rock Centre/ White Rock South

From Surrey Central Station via City Pkwy, 102 Ave, University Dr, Old Yale Rd, King George Blvd (King George Station), 72 Ave, Newton Exchange, 72 Ave, 138 St, 68 Ave, King George, South Surrey Park & Ride, King George, 152 St (White Rock Centre), Johnston, Thrift, Oxford, North Bluff to 152 St, to White Rock Centre. Some trips from Johnston/North Bluff instead via North Bluff, King George, 8 Ave roundabout, King George to 1100 Block.

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Surrey Central Station Bay 10	Newton Exchange Bay 6	White Rock Centre	White Rock Centre Bay 4	King George at 1100 Block (E)	Surrey Central Station Bay 10	Newton Exchange Bay 6	White Rock Centre	White Rock Centre Bay 4	King George at 1100 Block (E)	Surrey Central Station Bay 10	Newton Exchange Bay 6	White Rock Centre	White Rock Centre Bay 4	King George at 1100 Block (E)
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⁺ Trips route via 152 St, Martin BANG 1420 19 1524 to Terminus at White Rock Centre Bay 9.

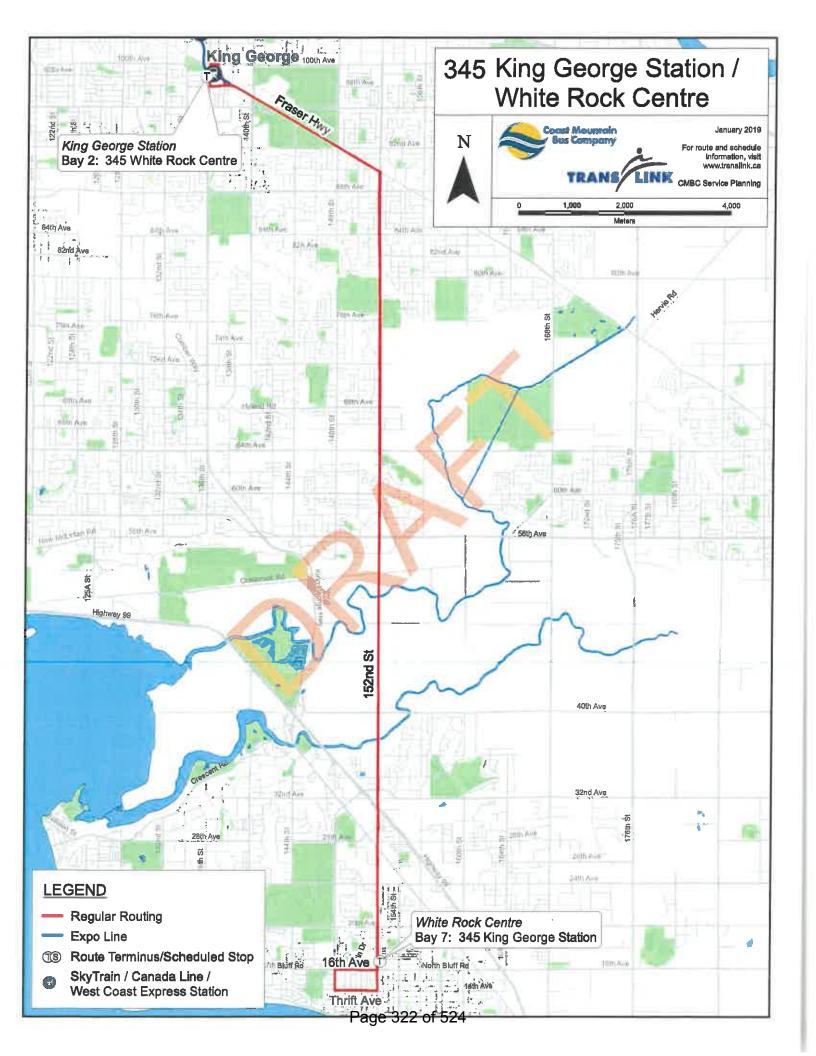
321 Newton Exchange/White Rock Centre/ White Rock South

Surrey Central Station to Newton Exchange, White Rock Centre and White Rock South.

(Refer to Monday to Friday for routing)

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Surrey Central Station Bay 10 Newton Exchange Bay 6 White Rock Centre	White Rock Centre Bay 4 King George at 1100 Block (E)	Surrey Central Station Bay 10	Newton Exchange Bay 6	White Rock Centre	White Rock Centre Bay 4	King George at 1100 Block (E)	Surrey Central Station Bay 10	Newton Exchange Bay 6	White Rock Centre	White Rock Centre Bay 4	King George at 1100 Block (E)
SATURD	ΑV	st	INDAY	/ & H	HIDA	YS	SU	NDAY	/ & H	oi id <i>a</i>	YS
	INUED	5.43	5.56	6,23	_	- 1			ONTI		
4.44 5.04 5.37	NOLD	6.13	6.26	6.53			4.42	5.01	5.35	-	_
4.59 5.19 5.52		6.33	6.46	7.13	-	-	4.58	5.16	5.50	-	-
5.14 5.34 6.07		6.53	7.06	7.33	-	-	5.12	5.30	6.04	-	-
5.29 5.49 6.22		x7.08	7.21	7.46	-	-	5.27	5.45	6.19	_	-
5.44 6.04 6.37	0	7.21	7.34	8.03	-	1	5.42	6.00	6.34	-	-
5.59 6.16 6.46		x7.32	7.45	8.10	-		5.57 6.13	6.15 6.31	6.49 7.05	-	-
6.14 6.31 7.01 6.29 6.46 7.16		7.42 7.56	7.55 8.09	8.24	8.32	8.41	6.27	6.45	7.19	-	_
6.44 7.00 7.30		8.12	8.26	8.56	9.32	0.41	6.43	7.01	7.35	-	_
7.02 7.18 7.48		8.27	8.41	9.11	- 1	-	6.58	7.16	7.50	-	-
7.17 7.33 8.03		8.40	8.53	-	9.16	9.25	7,13	7.31	8.05	-	-
7.32 7.45 -	8.10 8.19	8.57	9.11	9.41		-	7.28	7.44	-	8.09	8.19
7.47 8.03 8.33		9.12	9.26	9.56	-	-	7.43	8.01	8.33	-	-
8.02 8.18 8.48		9.27		10.11	-	-	7.58	8.16	8,48	-	_
8,17 8.33 9.03	0.40 0.40	9.42		10.29	-	-	8.13	8.29 8.44	8.59	9,09	- 9,19
8.32 8.45 - 8.47 9.00 9.30	9.10 9.19	9.57	10.12	10. 44 10.59	:-:	: 1	8.28 8.43	8,59	9,29	3,03	J, I J
9.02 9.15 9.45		10.12	10.27 10.42	11 14	-		8.58	9.14	9.44		
9.17 9.32 -		10.42	10.57	11.29			9.13	9.29	9.57		
9.32 9.45 -	10.1010.19	10.57	11,12	11.44		-	9.28	9.44	•	10.07	10.17
9.47 10.02 -		11.12	11.28		25	-	9.43		10.27	-	-
10.02 10.15 10.45		11.27			-	-	9,58	10.14		-	-
10.31 10.44 -	11.09 11.18	11.42			-	-	10,28	10,44	- 11.44	11.07	11,15
11,01 11,1411.44 11.33 11,46 -	 12.11 12.20	11.57 12.12		12.48 1.05	-		11.00			12,07	12.15
12.04 12.19 -		12 27	12.44	1.20	-		12.00		-	12.01	-
12.38 12.48 -	1.13 1.20	12.42		1.36	_		12.39		1.20	-	-
1.07 1.22 -		12.57	1.15	1.51	-	-	1.08	1.22	-	-	-
1.40 1.52 2.17		1,12	1.3	2.07		-					
2.08 2.23 -		1.27		2.22		-					
		1.42		2.37	-	-					
		1.57 2.12		2.52 3.07	-	-					
		2.12		3.07							
		2.42		3.38	-						
		2.57	3.17	3.53	-	-					
		3.12	3.32	4.08	-	-					
		3.27		4.20	-	-					
		3.42		4.35		-	1				
		3.57 4.12		4.50 5.05							
		4.12		5.20		_					
		"	CONT								
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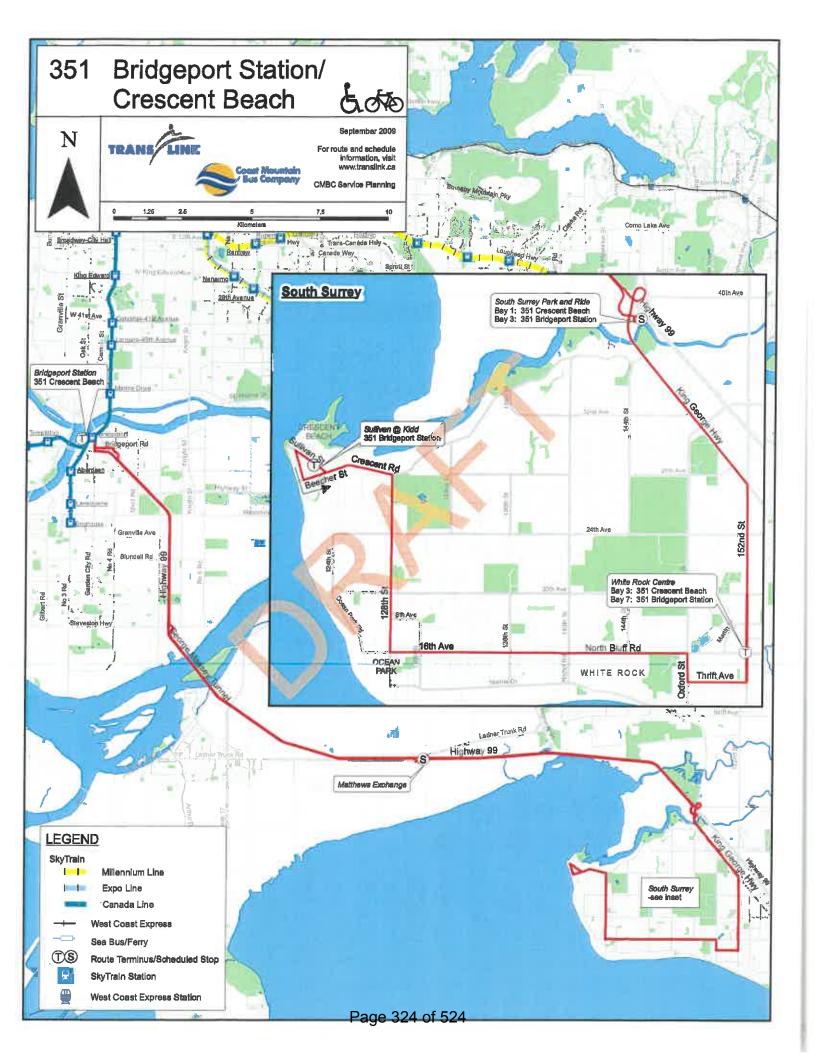
x Trips start from New Westminster Station - Bay 4 at 6.53 & 7.17am., then Nonstop to Scott Road Station. Leaves Scott Road Station - Bay 7 at 7.00 & 7.24am to Surrey Central Station, Page 21/1005024e, 104 Ave, University Dr to Surrey Central Stn.



345 White Rock Centre 345 King George Station

From King George Station via King George Blvd, 100 Ave, Whalley Blvd, Fraser Hwy, 152 St (White Rock Centre), Johnston, Thrift, Oxford, North Bluff to Foster From North Bluff at Foster via North Bluff,152 St (White Rock Centre), Fraser Hwy, King George Blvd to King George Station.

roster			
King George Station Bay 2 152 St at Hwy 10 #56068 White Rock Centre (F)	King George Station Bay 2 152 St at Hwy 10 #56068 White Rock Centre (E)	White Rock Centre Bay 7 152 st at Hwy 10 #56045 King George Station (E)	White Rock Centre Bay 7 152 st at Hwy 10 #56045 King George Station (E)
MONDA	Y TO FRIDAY	MONDAY	TO FRIDAY
5.58 6.18 6.3 6.28 6.48 7.0 6.58 7.21 7.4 7.28 7.51 8.1 7.58 8.23 8.4 8.28 8.53 9.1 8.59 9.26 9.4 9.28 9.52 10.0 9.58 10.20 10.3 10.28 10.50 11.0 10.58 11.20 11.3 11.28 11.50 12.0 11.58 12.20 12.3 12.28 12.50 1.0 12.59 1.21 1.3 1.29 1.54 2.1 1.59 2.24 2.4 2.29 2.56 3.1 2.59 3.26 3.4 CONTINUED	3.28 3.58 4.19 4.00 4.30 4.51 4.30 5.04 5.23 5.00 5.34 5.53 5.59 6.28 6.48 6.29 6.56 7.15 6.59 7.26 7.45 7.28 7.52 8.07 7.55 8.19 8.34 8.26 8.48 9.02 8.56 9.18 9.32	5.04 5.20 5.44 5.34 5.50 6.14 6.04 6.23 6.49 6.24 6.43 7.09 6.44 7.03 7.32 7.04 7.23 7.54 7.24 7.43 8.14 7.44 8.03 8.34 8.03 8.23 8.54 8.33 8.52 9.16 9.03 9.22 9.46 9.33 9.52 10.16 10.03 10.22 10.46 10.33 10.52 11.16 11.03 11.22 11.48 11.33 11.52 12.18 12.03 12.24 12.49 12.33 12.54 1.19 1.03 1.24 1.49	1.33 1.54 2.19 2.03 2.26 2.50 2.32 2.56 3.23 3.02 3.29 3.58 3.32 3.59 4.28 4.02 4.29 4.58 4.32 4.59 5.28 5.02 5.26 5.52 5.32 5.56 6.22 6.02 6.24 6.50 6.35 6.55 7.16 7.03 7.23 7.44 7.35 7.55 8.15 8.05 8.25 8.45 8.35 8.55 9.15



351 Bridgeport Station

From Sullivan at Kidd via Sullivan, McBride, Beecher, Crescent, 128 St, North Bluff, Oxford, Thrift, Johnston, 152 St, King George Blvd, South Surrey Park & Ride, King George Blvd, Hwy 99, Matthews Exchange (except before 8:30 AM weekdays, when the 351 stops at Matthews only to unload upon request), Hwy 99, Massey Exchange, Hwy 99, Bridgeport Rd, Great Canadian Way to Bridgeport Station.

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.≥	공	∞ 8	<u>.5</u> =	看声	有力	윤윤	골골	∞ 8	.j. ;;	草草	主×	유유
Sullivan	at Kidd #56082	128 St at Crescent Rd (E) #56088	Oxford at Russell (E) #56110	White Rock Centre Bay 5	South Surrey Park & Ride Bay 3	Bridgeport Station (E)	Sullivan at Kidd #56082	128 St at Crescent Rd (E) #56088	Oxford at Russell (E)	White Rock Centre Bay 5	South Surrey Park & Ride Bay 3	Bridgeport Station (E)
- 0,	, (0	110		B. C	-	E 0,	07 (0			All Property lies	THE REAL PROPERTY.	-
100		MON	IDAY T	O FRID	AY			MOI	NDAY.	ro fri	DAY	
		4,17	4.28	4.31	4,40	5.05			CON	TINUE	1	
1 -		4,17	4,46	4,50		5.28	3.34	3.38	3.52	3.56	4.10	4.43
"		4 50			5.02	J.20		3.30	3.3Z	3.00		
I -		4.53	5.05	5.08	5.20	5.46	3.44	3.48 3.59	4.02	4.06	4,20	4.53
h -		200	5.24	5.28	5.40	6.08	3.55	3,59	4.13	4.17	4.30	5,03
+		5.35	5.47	5.50	6.02	6.30	4.05	4.09	4.23 4.33	4.27	4.40	5.13
-		5.55	6.07	6.10	6.22 6.32	6.52	4,16	4.19	4.33	4.37	4.50	5.23
		6.05 6.15	6.17	6.20	6.32	7.03	4.26	4.29	4.43	4.47	5.00	5.33
	12	6.15	6.27	6.30	6.42	7.13	4.38	4.41	4.55	4.59	5.12	5.45
		6,25	6.27 6.37	6.10 6.20 6.30 6.40	6.42 6.52	7.23	4.38 4.50	4.29 4.41 4.53	4.55 5.07	5.11	5.24	5.57
6,3	27	6.30	6.42	6 4E	6.57	7.03 7.13 7.23 7.29	5.04	5.07	5.20	5.24	5,36	6.08
0,	~ /	- 0.30	6.48	6.45 6.52	7.04	7 20	5.15	5.18	5.31	5,35	5.47	6,17
1 -			0.40 C EE	0.3Z	7.04	7.38 7.45	5.10	5.31	5.44	5,48	6.00	0,17 g gn
1 1		6.43	6.55	6.59	7.11	7.40		3.31	3.44 F 20	3,4đ	0.00	6,30
3		6.50	7.02 7.09	7.06	7.18	7.52	5.43	5.46	5.59 6.15	6.03	6.15	6.45
*		*	7.09	7.06 7.13 7.20 7.27 7.34	7.18 7.25 7.32 7.39 7.46 7.53 8.00	7.52 7.59	6.00	6.03 6.18	6.15	6.19	6.30	6.59
	02	7.05	7.17	7.20	7.32	8.00	6.15	6.18	6,30	6.34	6.45	7.14
7.1	09	7.12	7.24	7,27	7.39	8.13	6.31	6.34	6.46	6.49	7.00	7.28
l -		7.19	7.31	7.34	7.46	8,20	6.46	6.49	7.01 7.17 7.32	7.04	7.15	7.43
7.3	23	7.26	7.38	7.41 7.48	7.53	8.27	7.02	7.05	7.17	7.20	7.30	7.57
		7.26 7.31	7.44	7.48	8 00	8.37	7.17	7.20	7.32	7,35	7,45	8,12
7.	38	7.41	7.54	7,58	8 10	8.32 8.42	7.32	7.05 7.20 7.35	7.47	7.50	8.00	8.27
7.	48	7.41 7.51	8,04	8.08	9 30	DEA	7.52	7.55	B 07	8.10	8.20	8.47
1 1	40		0,04	0.30	8.10 8.20 8.30 8.42	8.54 9.04 9.16	8.12	7.55 8.15	8,07 8,27	8,30	8.40	9.07
٦.		P 40	8.12	8.18	0.30	9.04	0.12	0.13	0.27	0.30		3.07
8.1	09	8,12	8.26	8.30	8.42	9,16	8.33	8.36 9.06	8.4 8 9.18	8.51	9.00	9.27 9.57
8.3	21 33	8.24	8.38	8.42	8.54	9.28	9.03	9.06	9.18	9.21	9.30	9.57
8.	33	8.36	8.50	8.54	9.06	9.38	9,33	9,36	9.48	9.51	10.00	10,27
8.4	47	8.50	9.04	9.08	9.20	9.52	10.03	10.06	10.18	10.21	10.30	10.56
9.4	02 17	9.05	9.19	9.23	9.20 9.35 9.50	9.52 10.07 10.22	10.03 10.33	10.36	10.48	10.51	11.00	11.26
9.1	17	9.20	9.34	9.38	9.50	10.22	11,03	11,06	11.18	11.21	11.30	11.56
9:	30	9.34	9.48	9.52	10.05	10.35	12.05	12.07	12.18	12.21	12.30	12.56
9.	30 45	9.34 9.49	10.03	10.07	10 20	10.35 10.50						
9	58	10.02	10.03 10.17	10.07	10.05 10.20 10.35	11.04			SATU	RDAY		
10	19	10.02	10.17	10.21	10.33	11.07		4,17	4.28	4.31	4.39	5.05
10.	13	10.17	10.32	9.08 9.23 9.38 9.52 10.07 10.21 10.36	10.50	11.19	-	7,1/ E 17		4101 E 24	4.00	
4.5	40	-	10.43	10.31	11.05	11.34	-	5.17	5.28	5.31	5.39	6.05
10.4	43	10.47	11.02	11.06		11.49	5.58	6.01	6.13	6.16	6.25	6.52
-			11.15		11,35			-	6.28	6.33	6.43	7.10
11.	.13	11,17	11,32	11.36		12.19	6.30	6.33	6.45	6.48	6.58	7.25
-			11,45	11,51	12.05			-	6.58	7,03	7.13	7.40
11.	43	11.47	12.02			12.49	7.00	7.03	7.15	7,18	7,28	7.55
1 "		-	12.15	12.21	12.35	1.04	-	-	7.28	7.33	7.43	8.10
12	13	12 17	12,32		12,50	1.19	7.32	7.35	7.47	7.51	8.01	8.29
1000	1.00		12.45		1.05	1,32	-		8.01	8.06	8.16	8.44
40	49	19 47	1.02							8.21		
	43	12,47	1.15	1.06	1,20	1,47	8.02	8.05	8.17		8.31	8.59
12.			10 Tel 100	1.21	1.35	2.02	0.01	0.00	8.31	8.36	8.46	9.14
II -						2.17	8.31	8.34	8.46	8.50	9.01	9.29
II -	.13	1.17	1.32	1.36	1.50							D 47
1.	.13	1.17	1.32 1.45	1.36 1.51	2.05	2.33	-		9,03	9.08	9.19	9,47
1.	.13	1.17	1.32 1.45 2.02	1.36 1.51 2.06	2.05 2.20	2.33 2.48	9,02	9,05	9,18	9.08 9.22	9.34	10,02
1.	.13	1.17	1.32 1.45 2.02 2.15	1.36 1.51 2.06 2.21	2.05 2.20 2.35	2.33	9,02 -	-		9.08 9.22 9.37	9.34 9.49	
1.	.13 .43	1.17	1.32 1.45 2.02 2.15	1.36 1.51 2.06 2.21	2.05 2.20 2.35	2.33 2.48 3.05	9,02 -	-	9,18	9.08 9.22 9.37	9.34 9.49	10,02 10.17
1.	.13	1.17	1.32 1.45 2.02 2.15 2.32	1.36 1.51 2.06 2.21 2.36	2.05 2.20 2.35 2.50	2.33 2.48 3.05 3.20	-	9,05 9,34	9,18 9.32 9.48	9.08 9.22 9.37 9.52	9.34 9.49 10.04	10,02 10.17 10.32
1,	.13 .43 .13	1.17 1.47 2.17	1.32 1.45 2.02 2.15 2.32 2.45	1.36 1.51 2.06 2.21 2.36 2.51	2.05 2.20 2.35 2.50 3.05	2.33 2.48 3.05 3.20 3.38	9,02 - 9.31	9.34 -	9,18 9.32 9.48 10.02	9.08 9.22 9.37 9.52 10.07	9.34 9.49 10.04 10.19	10,02 10.17 10.32 10.47
1.	.13 .43 .13	1.17 - 1.47 - 2.17 - 2.47	1.32 1.45 2.02 2.15 2.32 2.45 3.02	1.36 1.51 2.06 2.21 2.36 2.51 3.06	2.05 2.20 2.35 2.50 3.05 3,20	2.33 2.48 3.05 3.20 3.38 3.54	9,02 -	9.34 -	9,18 9.32 9.48 10.02 10.18	9.08 9.22 9.37 9.52 10.07 10.22	9.34 9.49 10.04 10.19 10.34	10.02 10.17 10.32 10.47 11.04
1. 2. 2. 2. 2.	.13 .43 .13 .43	1.17 1.47 2.17 2.47 2.57	1.32 1.45 2.02 2.15 2.32 2.45 3.02 3.12	1.36 1.51 2.06 2.21 2.36 2.51 3.06 3.16	2.05 2.20 2.35 2.50 3.05 3.20 3.30	2.33 2.48 3.05 3.20 3.38 3.54 4.04	9,02 9,31 - 10.01	9.34 10.04	9,18 9,32 9,48 10,02 10,18 10,32	9.08 9.22 9.37 9.52 10.07 10.22 10.37	9.34 9.49 10.04 10.19 10.34	10,02 10.17 10.32 10.47 11.04 11.19
1. 1. 2. 2. 2. 3.	.13 .43 .13 .43 .53	1.17 - 1.47 - 2.17 - 2.47 2.57 3.07	1.32 1.45 2.02 2.15 2.32 2.45 3.02 3.12 3.22	1.36 1.51 2.06 2.21 2.36 2.51 3.06 3.16 3.26	2.05 2.20 2.35 2.50 3.05 3.20 3.30 3.40	2.33 2.48 3.05 3.20 3.38 3.54 4.04 4.14	9,02 9,31 - 10,01 - 10,30	9.34 10.04 10.33	9,18 9,32 9,48 10,02 10,18 10,32 10,47	9.08 9.22 9.37 9.52 10.07 10.22 10.37 10.51	9.34 9.49 10.04 10.19 10.34 10.49 11.04	10,02 10.17 10.32 10.47 11.04 11.19 11.34
1. 1. 2. 2. 2. 3. 3.	.13 .43 .13 .43 .53 .03 .14	1.17 - 1.47 - 2.17 - 2.47 2.57 3.07 3.18	1.32 1.45 2.02 2.15 2.32 2.45 3.02 3.12 3.22 3.32	1.36 1.51 2.06 2.21 2.36 2.51 3.06 3.16 3.26 3.36	2.05 2.20 2.35 2.50 3.05 3.20 3.30 3.40 3.50	2.33 2.48 3.05 3.20 3.38 3.54 4.04 4.14 4.24	9,02 9,31 - 10,01 - 10,30	9.34 10.04 10.33	9.18 9.32 9.48 10.02 10.18 10.32 10.47	9.08 9.22 9.37 9.52 10.07 10.22 10.37 10.51 11.06	9.34 9.49 10.04 10.19 10.34 10.49 11.04	10,02 10.17 10.32 10.47 11.04 11.19 11.34 11.49
1. 1. 2. 2. 2. 3. 3.	.13 .43 .13 .43 .53	1.17 - 1.47 - 2.17 - 2.47 2.57 3.07 3.18 3.28	1.32 1.45 2.02 2.15 2.32 2.45 3.02 3.12 3.22 3.32 3.42	1.36 1.51 2.06 2.21 2.36 2.51 3.06 3.16 3.26	2.05 2.20 2.35 2.50 3.05 3.20 3.30 3.40 3.50	2.33 2.48 3.05 3.20 3.38 3.54 4.04 4.14 4.24	9,02 9,31 - 10,01 - 10,30	9.34 10.04 10.33	9.18 9.32 9.48 10.02 10.18 10.32 10.47	9.08 9.22 9.37 9.52 10.07 10.22 10.37 10.51 11.06 11.21	9.34 9.49 10.04 10.19 10.34 10.49 11.04 11.19 11.34	10,02 10.17 10.32 10.47 11.04 11.19 11.34 11.49

351 Bridgeport Station

Crescent Beach to White Rock Centre and Bridgeport Station.
(Refer to Monday to Friday for routing)

		- 11	10101	LO IVIC	onday t	U Frida	xy IOL	TOULII	ıg)		
Sullivan	128 St at Crescent Rd (E)	_	_	South Surrey	Bridgeport Station (E)	Sullivan	128 St at Crescent Rd (E)		_	-	Bridgeport Station (E)
		SATU	RDAY				SUI	NDAY 8	k HOLI	DAYS	
		CO	NTINUE	:D				COI	UNITN	ED	
-	-	11.31	11.36	11,49			-	8.25	8.30	8.40	
11.30	11.33			12.04		8.26	8.29				
11.50	- 12.02	12.01	12.06	12.19	12.49	- ner	- 0.50	8.54	8.59		9.38
11,58			12.21 12.36	12,34	1.04	8,55					9.53
12,31	12,35	12,50	12.54	1.07	1.37	9.24	9.27	9.40		9.56	
-	-	1.04		1,22	1,52			9.53	9.58	10.10	10.24
1.01	1.05	1.20	1.24	1.37	2.07	9.52	9,55	10.09	10.13	10.25	
-	-	1.34	1.39	1.52	2.22			10.23	10.28	10.40	11.08
1.31	1.35	1.50	1.54	2.07	2.37	10.22	10.25		10.43	10.55	11.23
	- 0.5	2.04	2,09	2,22	2.52 3.07	10.50		10.53	10.58	11.11	11,41
2.01	2.05	2.20 2.34	2.24	2.37	3.07	10.52	10.55	11.09	11.13	11.26	
2.33	2.36	2.50	2.39 2.54	2.52 3.07	3.22 3.37	11.25	11.28	11.23 11.42	11,28 11,46	11,41 11,59	12,11 12.29
-	-	3.04	3.09	3.22	3.52	1.1.69	1.1-69	11.59	12,04	12,17	12,47
3.03	3.06	3.20	3.24	3.37	3.52 4.07	11.59	12.03	12.18	12.22	12.35	1.05
-	-	3.34	3.39	3.52	4.22	The state of	-	12.32	12.37	12.50	1.20
3.33	3.36	3.50	3.54	4.07	4.35	12.29	12.33		12.52	1.05	1.35
-	-	4.04	4.09	4.22	4,50	2.	•	1.02	1.07		1,50
4.04	4.07	4.21	4.25	4.37	5.05	12.59	1.03	1.18	1.22	1.35	2.03
4.34	4.37	4.35 4.51	4.40 4.55	4.52 5.07	5.20 5.35	1.30	1.34	1.32 1.49	1.37 1.53	1.50 2.06	
4.34	4.37	5.05	5,10	5.22	5.50	1,30	1,34	2.03	2.08	2.00	2.34 2.49
5.04	5.07	5.21	5.25	5.37	6.05	2.00	2.04	2.19	2.23	2.36	3.04
-	-	5.35	5.40	5,52	6.20	-	1979	2.31	2,38	2,51	3.19
5,35	5,38	5.51	5.55	6:07	6.35	2.30	2.34	2,49	2.53	3,06	3,34
	-	6.05	6.10	6.22 6.37	6.50	-		3.01	3.08	3.21	3.49
6.07	6.10	6.22	6.26 6.41	6.37	7.05	3.00	3.04	3.19	3.23	3.36	4.04
6.38	6.41	6.36	0.41	6.52	7.20 7.34	3.30	3.34	3.31 3.49	3,38 3,53	3.51	4.19 4.34
0.30	0.41	6.53 7.07	6.57 7.12	7.07 7.22	7.49	3.30	3.34	4.01	4.08	4.06 4.21	4,49
7.08	7.11	7,23	7,27	7,37	8.04	4,01	4.05	4.20	4,24	4.36	5.04
-	-	7.37	7,42	7.52	8.19	-	-	4.32	4.39	4.51	5.19
7,38	7.41	1.53	7.57	8.07	8,34	4,31	4.35	4.50	4.54	5.06	5.34
	-	8.07	8.12	8.22	8.49		-	5.02	5.09	5.21	5.49
8.09	8.12	8.24	8.27	8.37	9.04	5.01	5.05	5.20	5.24	5.36	6.04
8.40	- 8.43	8.37 8.54	8.42 8.57	8.52 9.07	9.19 9.34	- 5,32	- 5.36	5.32 5.50	5.39 5.54	5.51 6.06	6.19 6.34
-	0.43		9.12	9,22	9.49	9,32	9,30	6.02	6.09	6.21	6.49
9.10	9.13	9.24	9.27		10.04	6.04	6.07	6.21	6.25	6,36	7.04
9.30	9.33	9.44	9.47	9.57	10.24	-	-	6.33	6.40	6.51	7.19
10.00	10.03			10,27		6.35	6.38	6,52	6.56	7.06	7.33
10.30		10.44		10.57		7.05	7.00	7.06	7.11	7.21	7.48
11.00 11.45	11.03	11,14	11,17	12.11		7.05	7.08	7.22 7.36	7.26 7.41	7.36 7.51	8.03 8.18
11,40		MARKET BY	TO Disease	11100	12.0/	7.35	7.38	7.52	7.56	8.06	8.33
	SUNI	& YAC	HOLID	AYS		-	-	8,06	8,11	8.21	8.48
-	4.17	4.28	4.31	4.39	5.05	8.06	8.09	8.22	8.26	8.36	9.03
	5.17	5.28	5.31	5.39	6.05	-	-	8.36	8.41	8,51	9.18
5.58	6.01	6.13	6.16	6.25	6.52	8,37	8,40	8.52	8.56	9.06	9.33
6.27	6 30 -	6.25	6.30	6.40	7.07	9.07	0 10	9.06 9.22	9.11	9.21	9,48
0.21	6.30	6.42 6.55	6.45 7.00	6.55 7.10	7.22 7.37	9.25	9.10 9,28	9.40	9.26 9.44		10.03 10,21
6.57	7.00	7.12	7.15	7.25	7.52			10.11			
-	-	7.25	7.30	7.40	8.07	10.27	10.30	10.41	10.44	10,54	11.20
7.27	7.30	7.42	7.45	7.55	8.22	11.00	11.03	11.14	11.17	11.27	11.53
-	-	7.55	8.00	8.10	8.38			11.59	12.02	12.11	12.37
7.56	7.59	8.11	8.15	8.2P	a % €3	26 of	524				1
	CL	MIIM	JED								

351 Crescent Beach

From Bridgeport Station via Great Canadian Way, Sea Island Way, Hwy 99, Massey Exchange, Hwy 99, Matthews Exchange, Hwy 99, offramp, South Surrey Park & Ride, King George Blvd, 152 St; then some trips continue from 152 St via 16 Ave, Oxford to Vine; or most trips continue from 152 St via Johnston, Thrift, Oxford, North Bluff, 128 St, Crescent, Beecher, Sullivan to Kidd.

o n	South Surrey Park & Ride (E) Bay 1	White Rock Centre Bay 1 (E)	Johnston at Russell #60246		ø	South Surrey Park & Ride (E) Bay 1	White Rock Centre Bay 1 (E)	Johnston at Russell #60246	
sport n Bay	Surre k Ride	Rock (E)	ton at		sport n Bay	Surre k Ride	Rock (E)	ton at	(E)
Bridgeport Station Bay 9	South Surrey Park & Ride (White Ro Bay 1 (E)	Johnst F60246	Sullivan at Kidd (E)	Bridgeport Station Bay 9	South Surrey Park & Ride (White Ro Bay 1 (E)	Johnst #60246	Sullivan at Kidd (E)
	NOND <i>A</i>		RIDAY			_	AY TO F		H
5.15	5.42	-	5.49	6.06		0	CONTIN	UED	
5.30 5.45	6.01 6.20 6.31	- 6,28	6.08	6.23	6.00 6,12	6.37 6.49	:	6.46 6.58	7.05 7.17
6.00 6.15	6.31	-	6.38	6.53	6.18	6.54	-	-	-
6,15	6.47		6.54	7.11	6,24	7,01		7.10	7.29
6.30	7.02	•	7.09	7.26	6.36	7.11 7.16	-	7.19	7.38
6.45	7.17 7.38 7.48 8.03	- 7.47	7.24 -	7.41	6.42 6.48	7.10 7.22		7.31	- 7.50
7.00 7.15	7.48	-	7.55	8.12	7.00	7.23 7.34	-	7,42	8.00
7.30	8.03	-	8.10	8.27	7.15	7.49	-	7.57	8,00 8.15
7.45	8.19	-	8.27	8.46	7.30	8.04		8,12	8,30
8.00 8.15	8.34	-	8.42	9.01	7.45 8.00	8.19	-	8.27	8.45
8.15 8.30	8.49 9.04	-	8.57 9.12	9.16 9.31	8.15	8.33 8.48		8.41 8.56	8,59 9.14
8.45	9.19	700	9.27	9.46	8.30	9.03	-	9,11	9,29
9.00	9.34	_	9.42	10.01	9.45	9.18	-	9.26	9.44
9.15	9.52	10.00	-	- 100	9.00	9.33	-	9.41	9.59
9.30 9.45	10.03 10.20	- 10.27	10.11	10.30	9,20	9.53 10.13	-	10.01	10.19
9.45	10.20		40.45	11.60	9.40	10.13	•	10.21	10.39
10,00 10.15	10,34 10.51	10.58	10,42	11.00	10.09 10.39	10.33 11.03	-	10.41 11.11	10.59 11,29
10.13	11.04	- 10.38	11.12	11.32	11.02	11.34	-	11,41	11,59
10.45	11.21	11.29			12.02	12,33	-	12,40	12.57 1.55
10.45 11.00 11.15	11.21 11.34 11.51		11.42	12.02	1.00 1.59	11.34 12.33 1.31	-	1.38	1.55
11.15	11.51	11.59	-	-	1.59	2,30	-	2.37	2.54
11.30 11.45	12.03 12.20	12.28	12.11	12.31		SA	ATURD <i>A</i>	Y	
12.00	12.34		12.42	1.02	5.20	5.48		5.54	6.09
12.00 12,15	12.34 12.50	- 12.58	-	- 1	5.45	6.13	6.19		-
12.30	1.04	-	1.12	1.32	6.00 6.15	6.29	0.50	6.36	6.51
12,45 1.00	1,22 1.35	1,31	-	-	6.15	6,44	6,50	7.00	7,21
1.00	1.35	- 2,01	1.43	2.05	6.30 6,45	6.59 7.16	7.22	7.06	7,21
1.15 1.30	1,52 2.05	2,01	2.13	2.35	7.00	7.29	-	7.36	7.51
1.45	2.20	2.28		-	7.15	7.46	7.52	-	-
2.00	2.37	-	2.45	3.07	7.30	7.59	-	8.06	8.21
2.15	2.52	•	3.00	3,22	7.45	8.16	8.22	- 0.00	- 0.54
2.30	3.07	-	3.15	3.37	8.00 8.15	8.29 8.46	0 E2	8.36	8.51
2.45 3.00	3.22 3.39	-	3.30 3.48	3.52 4.09	8.15 8,30	8.46 9,00	8.52	9.07	9.24
3.10	3.49	•	3.58	4.19	8.42	9.13	9.19	-	-
3,20	3.59	-	4.08	4.29	8,55	9,25	- "	9,32	9,49
3.30	4.09	-	4.18	4.39	9.10	9.41	9.48	-	-
3.40	4.19	-	4.28	4.49	9,25	9.56	10.10	10.03	10.20
3.50 4.00	4.30 4.42	-	4.39 4.51	5.00 5.12	9.40 9,55	10.12	10.19	10.33	10.50
4.10	4.52	-	5.01	5.12 5.22	10.10	10.43	10.50	0.00	14,44
4.20	5.02	-	5.11	5.32	10.25	10.57	-	11.04	11,21
4.30	5.12	-	5.21	5.42	10.40	11.13	11.20	-	-
4.40	5.22	-	5.31	5.52	10.55	11.27	11.61	11.35	11.54
4.50	5.32 5.41	-	5.41 5.50	6.01	11.10 11.25	11.44	11.51	12.06	12,26
5.00 5.12	5.41 5.53	-	5.50 6.02	6.09 6.21	11.40	12.15	12.22	-	-
5.24	6.04	_	6.13	6.32	11.55	12.28	-	12.36	12.56
5.36	6.15		6,24	6,43	12,10	12.47	12.54	_	
5.48	6.27	-	6.26	ag e 5 27	of 524	1.00	-	1.08	1.28

351 Crescent Beach

Bridgeport Station to White Rock Centre and Crescent Beach.
(Refer to Monday to Friday for routing)

(Refer to Wonday to	Friday for routing)
Bridgeport Station Bay 9 South Surrey Park & Ride (E) Bay 1 White Rock Centre Bay 1 (E) Johnston at Russell #60246 sullivan at Kidd (E)	Bridgeport Station Bay 9 South Surrey Park & Ride (E) Bay 1 White Rock Centre Bay 1 (E) Johnston at Russell #60246 Sullivan at Kidd (E)
SATURDAY	SUNDAY & HOLIDAYS
CONTINUED	CONTINUED
12.40 1.17 1.25	8.51 9.21 - 9.28 9.45
12.55 1.30 - 1.38 1.58	9.06 9.38 9.45
1.10 1.47 1.55 1.25 2.01 - 2.09 2.29	9.06 9.38 9.45 9.21 9.52 - 9.59 10.16
1.25 2.01 - 2.09 2.29	8.51 9.21 - 9.28 9.45 9.06 9.38 9.45 9.21 9.52 - 9.59 10.16 9.36 10.08 10.15 9.51 10.22 - 10.29 10.46
1.40 2.17 2.24 1.55 2.31 - 2.39 2.59	9.51 10.22 - 10.29 10.46 10.06 10.38 10.45
2.10 2.47 2.54	10.21 10.53 _ 11.01 11.19
225 301 - 309 329	10.36 11.08 11.15
2.40 3.15 3.22	10.36 11.08 11.15 10.51 11.24 - 11.32 11.52 11.06 11.42 11.50
2.25 3.01 - 3.09 3.29 2.40 3.15 3.22 2.55 3.29 - 3.37 3.57 3.10 3.45 3.52 3.25 3.59 - 4.07 4.27 3.40 4.15 4.22	11.06 11.42 11.50
3.10 3.45 3.52	11.21 11.56 - 12.04 12.24 11.36 12.12 12.20
3.25 3.59 - 4.07 4.27 3.40 4.15 4.22	11.36 12.12 12.20 11.51 12.26 - 12.34 12.54
3.40 4.15 4.22	11.51 12.26 - 12.34 12.54
4.10 4.44 4.51	11.51 12.26 - 12.34 12.54 12.06 12.42 12.50 12.21 12.56 - 1.04 1.26 12.36 1.14 1.22 12.51 1.26 - 1.34 1.56 1.06 1.44 1.52 1.21 1.56 - 2.04 2.26 1.36 2.14 2.22 1.51 2.26 - 2.34 2.56
4.25 4.58 - 5.06 5.27	12.21 12.56 - 1.04 1.26 12.36 1.44 1.22
4.40 5.14 5.21	12.59 1.26 - 1.34 1.56
4.55 5.28 - 5.36 5.57	1.06 1.44 1.52 1.21 1.56 - 2.04 2.26
5.10 5.44 5.51 5.25 5.58 - 6.06 6.25 5.40 6.14 6.21 - 5.55 6.28 - 6.36 6.55	1.06 1.44 1.52 1.21 1.56 - 2.04 2.26 1.36 2.14 2.22
5.25 5.58 - 6.06 6.25 5.40 6.14 6.21 -	1.51 2.26 - 2.34 2.56
5.40 6.14 6.21 - 5.55 6.28 - 6.36 6.55	1.51 2.26 - 2.34 2.56 2.06 2.44 2.52
6.12 6.46 6.53 -	2.21 2.56 - 3.04 3.26
6.30 7.03 - 7.11 7.30	2.36 3.14 3.22
6,45 7,18 7,25 - 3 - 3	2.51 3.26 - 3.34 3.56
7.00 7.33 - 7.41 7.59 7.15 7.48 7.55	3.06 3.42 3.49
7.15 7.48 7.55	3.21 3.57 - 4.06 4.28 3.36 4.12 4.19
7.30 8.03 - 8.10 8.28 7.45 8.18 8.25	3.36
7.45 8.18 8.25 8.40 8.58	3.51 4.27 - 4.36 4.58 4.06 4.41 4.48 4.21 4.56 - 5.05 5.26 4.36 5.11 5.18
8.00 8.33 - 8.40 8.58 8.15 8.48 8.55	4.06 4.41 4.48 4.21 4.56 - 5.05 5.26 4.36 5.11 5.18
8.30 9.03 - 9.10 9.27	4.36 5.11 5.18
8.45 9.18 - 9.25 9.42	4.51 5.26 - 5.35 5.56
9.00 9.32 - 9.39 9.56	5.06 5.41 5.48
9.20 9.52 - 9.59 10.16	5.21 5.56 - 6.05 6.24 5.26 6.12 6.20
9.40 10.12 - 10.19 10.36 10.00 10.32 - 10.39 10.56	5,36 6.12 6.20 5.51 6.26 - 6.34 6.53
10.30 11.02 - 11.09 11.26	6.07 6.43 6.51
11.00 11.32 - 11.39 11.56	6.23 6.58 - 7.06 7. 2 5
12.00 12.31 - 12.38 12.55	6.39 7.15 7.22
12.45 1.16 - 1.23 1.40	6.55 7.29 - 7.37 7.55
1.45 2.16 - 2.23 2.40	7.10 7.46 7.53
SUNDAY & HOLIDAYS	7.25 7.59 - 8.07 8.2 5 7.40 8.16 8.23
5.20 5.48 - 5.54 6.09	7.40 8.16 8.23 7.55 8.29 - 8.37 8.55
5.36 6.04 6.10	8.10 8.46 8.53
5.51 6.20 - 6.27 6.42	8.25 8.58 - 9.05 9.22
6.06 6.35 6.41	8.40 9.13 - 9.20 9.37
6.21 6.50 - 6.57 7.12	8.58 9.31 - 9.38 9.55
6.36 7.07 7.13	9.18 9.50 - 9.57 10.14
6.51 7.20 - 7.27 7.42 7.06 7.38 7.45	9.38 10.10 - 10.17 10.34 9.58 10.30 - 10.37 10.54
7.21 7.50 - 7.57 8.12	10.28 11.00 - 11.07 11.24
7.36 8.08 8.15	11.00 11.32 - 11.39 11.56
7.51 8.20 - 8.27 8.42	12.00 12.31 - 12.38 12.55
8.06 8.38 8.45	12.45 1.16 - 1.23 1.40
8.21 8.51 - 8.58 9.15	1.45 2.16 - 2.23 2.40
8.36 9.08 9.15 - Page 32	28 of 524
CONTINUED	

Effective - December 31, 2018

STOPPING PROCEDURES - 351, 352 & 354

To Bridgeport Station

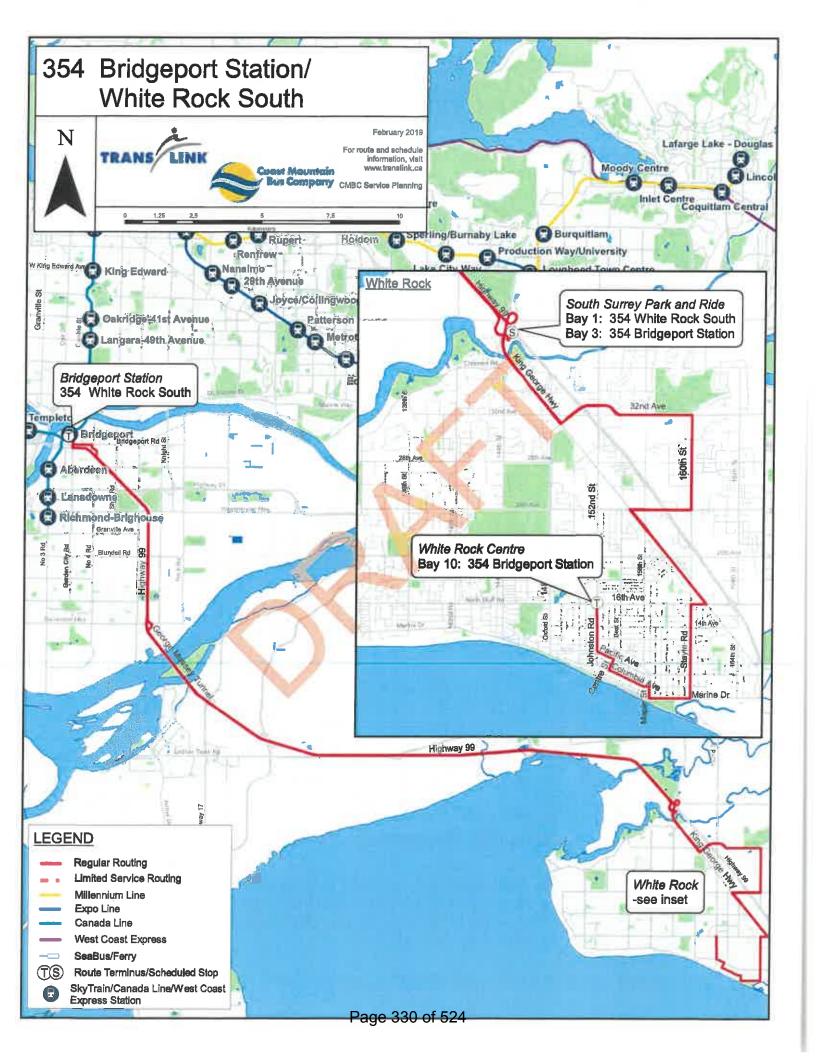
Page 329 of 524

Stops for pick-up and drop-off are made at all local stops up to and including Hwy)(Matthews Exchange for 351 only, after the AM peak). Note - request South Surrey Park & Ride and Massey Exchange (Hwy 99 at Steveston stop only for 352 & 354 at Massey Exchange.

To White Rock

Starting at Massey Exchange (Hwy 99 at Steveston Hwy) stops are made for both pick-up and drop-off at all stops to the termini.

Note - Only the 351 stops at Matthews Exchange for pick up and drop-off.



354 White Rock South/White Rock Centre/ Bridgeport Station

From White Rock Centre via North Bluff, Johnston, Pacific, Centre, Columbia, Maple, Marine, 160 St, 16 Ave, King George Blvd, 24 Ave, 160 St, 32 Ave, 32 Ave Diversion, King George Blvd South Surrey Park & Ride, King George Blvd, Hwy 99, Bridgeport Rd, Great Canadian Way to Bridgeport Station. From Bridgeport Station via Great Canadian Way, Sea Island Way, Hwy 99, Massey Exchange, Hwy 99, offramp, South Surrey Park & Ride, King George Blvd, 32 Ave Diversion, 32 Ave, 160 St, 24 Ave, King George Blvd, 16 Ave, Stayte, Marine, Maple, Columbia, Centre, Pacific, Johnston, North Bluff to White White Rock Centre.

White Rock Centre Bay 2	160 St at 24 Ave (E) #56073	South Surrey Park & Ride Bay 3	Bridgeport Station (E)	Bridgeport Station Bay 10	South Surrey Park & Ride (E) Bay 1	24 Ave at 160 St (E) #61630	White Rock Centre (E)
N	IONDAY T	O FRIDAY		M M	ONDAY T	O FRIDAY	
5.16 5.46 6.09 6.17 6.24 6.35 6.43 6.57 7.17 7.35	5.32 6.02 6.26 6.34 6.41 6.52 7.01 7.15 7.35 7.53	5.45 6.15 6.40 6.48 6.55 7.06 7.15 7.29 7.49 8.07	6.11 6.41 7.10 7.18 7.25 7.39 7.52 8.06 8.23 8.41	4.05 4.20 4.35 4.50 5.05 5.20 5.35 5.55	4.54 5.09 5.23 5.38 5.52 6.07 6.18 6.38	5.04 5.19 5.33 5.48 6.02 6.17 6.27 6.47	5.17 5.32 5.46 6.01 6.15 6.30 6.39 6.59

STOPPING PROCEDURES - 351, 352 & 354

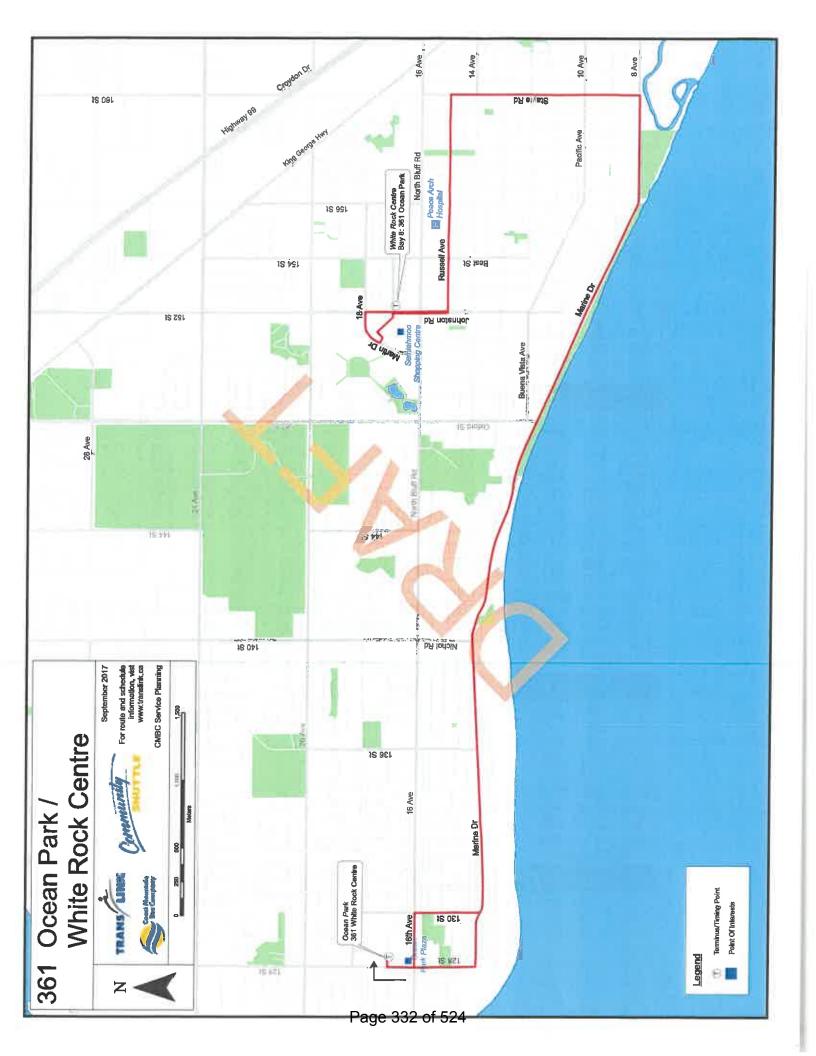
- To Bridgeport Station

Stops for **pick-up and drop-off** are made at all local stops up to and including South Surrey Park & Ride and Massey Exchange (Hwy 99 at Steveston Hwy)(Matthews Exchange for 351 only, after the AM peak). **Note** - request stop only for 352 & 354 at Massey Exchange.

- To White Rock

Starting at Massey Exchange (Hwy 99 at Steveston Hwy) stops are made for both **pick-up and drop-off** at all stops to the termini.

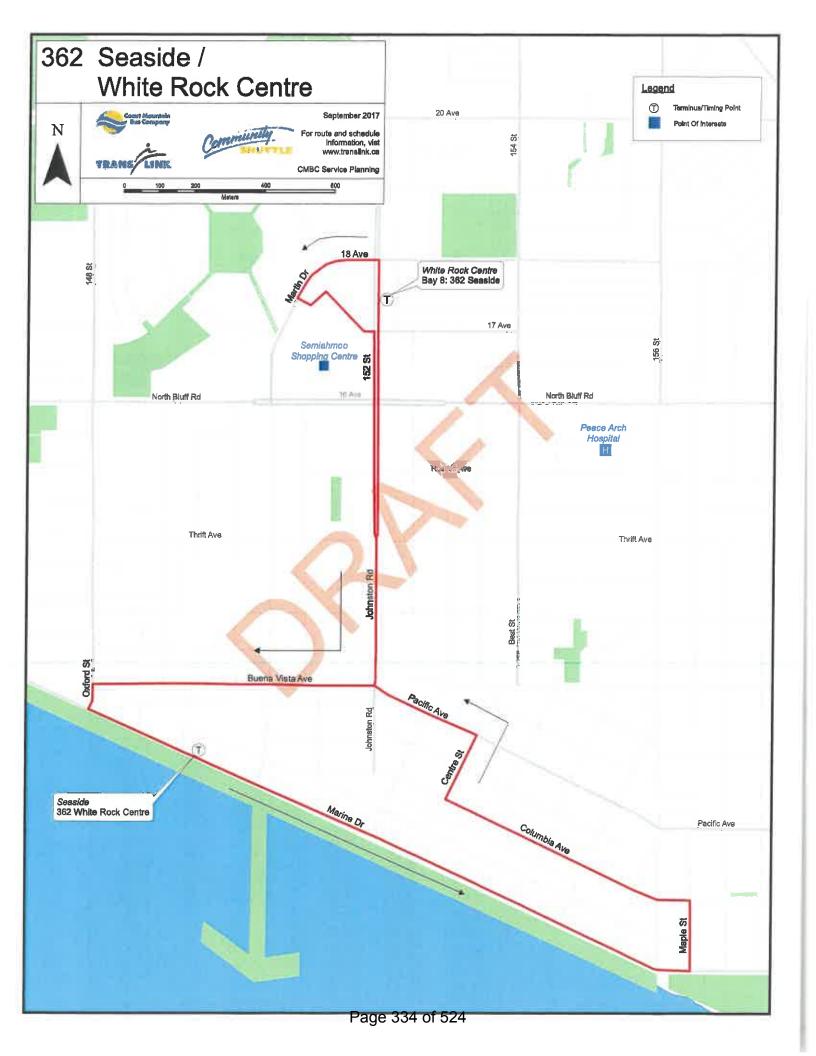
Note - Only the 351 stops at Matthew's Exchange for pick up and drop-off.



361 White Rock Centre / 361 Ocean Park

From 128 St at 16 Ave via 128 St, Marine, 160 St, Russell, Johnston, 152 St to White Rock Centre.

From White Rock Centre via 152 St, Martin, mall access road, 152 St, Johnston, Russell, Stayte, Marine, 130 St, 16 Ave, 128 St to 17 Ave.

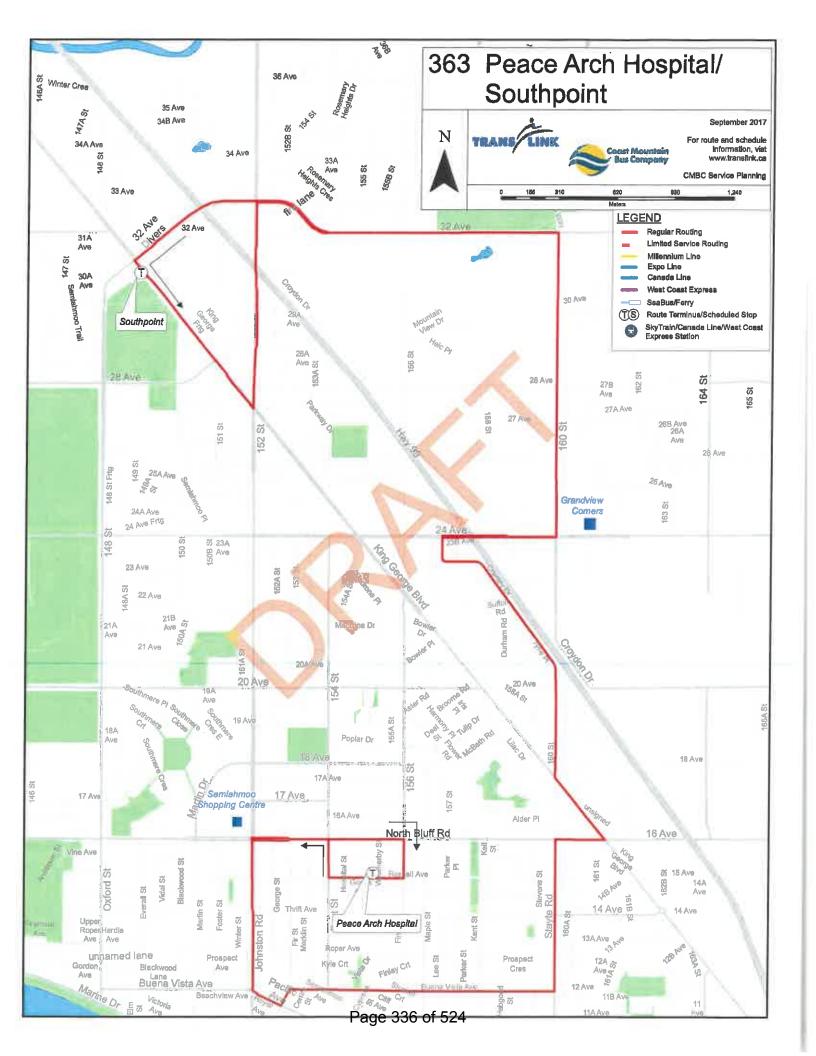


362 Seaside / 362 White Rock Centre

Loop service from White Rock Centre via 152 St, Martin, mall access road, 152 St, Johnston, Buena Vista, Oxford, Marine to Martin; returning via Marine, Maple, Columbia, Centre, Pacific, Johnston, 152 St to White Rock Centre.

White Rock Centre Bay 8	Marine at Martin (E) #56238	White Rock Centre (E)	White Rock Centre Bay 8	Marine at Martin (E) #56238	White Rock Centre (E)	White Rock Centre Bay 8	Marine at Martin (E) #56238	White Rock Centre (E)
MON	DAY TO I	FRIDAY	5	SATURDA	ΑY	SUNE	AY&HC	LIDAYS
9.30 10.00 10.30 11.00 11.30 12.00 12.30 1.00 1.30 2.00 2.30 3.30 4.00 4.30 5.00 5.30 6.00 6.30 7.00 7.30 8.00 8.30 9.00 9.30	9.42 10.12 10.42 11.12 11.42 12.12 12.42 1.12 1.42 2.12 2.42 3.42 4.12 4.42 5.12 5.42 6.12 6.42 7.12 7.42 8.12 8.42 9.12 9.42	9.52 10.22 10.52 11.24 11.54 12.24 12.54 1.54 2.24 2.54 3.54 4.22 4.52 5.22 5.52 6.22 6.22 6.52 7.52 8.22 8.52 9.22 9.52 10.32* 11.12*	7.59 8.29 8.59 9.29 9.58 10.28 10.58 11.28 11.58 12.28 1.58 1.58 2.28 2.58 3.28 3.58 4.28 4.59 5.29 5.59 6.29 7.00 7.30 8.00 8.30 9.00	8.10 8.40 9.10 9.40 10.10 10.40 11.40 12.10 12.40 1.10 1.40 2.10 2.40 3.10 3.40 4.10 4.40 5.10 5.40 6.10 6.40 7.10 7.40 8.10 8.10	8.22 8.52 9.22 9.52 10.52 11.52 11.52 12.53 1.23 1.53 1.53 2.24 2.54 3.54 4.24 4.54 5.22 5.52 6.22 6.52 7.21 7.51 8.21 8.51 9.21	8.31 9.01 9.31 10.01 10.30 11.00 11.59 12.29 12.57 1.57 2.29 2.59 3.59 4.29 4.59 5.30 6.00 6.30 7.00 7.30 8.00 8.30 9.00 9.30	8.41 9.41 10.11 10.41 11.11 12.11 12.41 1.41 2.41 2.41 3.41 4.41 5.41 4.41 5.41 6.41 7.41 8.41 9.41	8.51 9.21 9.51 10.21 10.51 11.52 12.22 12.53 1.23 1.54 2.24 2.54 3.53 4.23 4.52 5.22 5.52 6.52 7.22 7.52 8.22 8.52 9.52 9.52
11.30*	11.42*	11.52*	9.30 10.00 10.30 11.00 11.30	9.40 10.10 10.40 11.10 11.40	9.51 10.21 10.51 11.21 11.51			

^{*} Trip operates on Friday only. Page 335 of 524



363 Southpoint

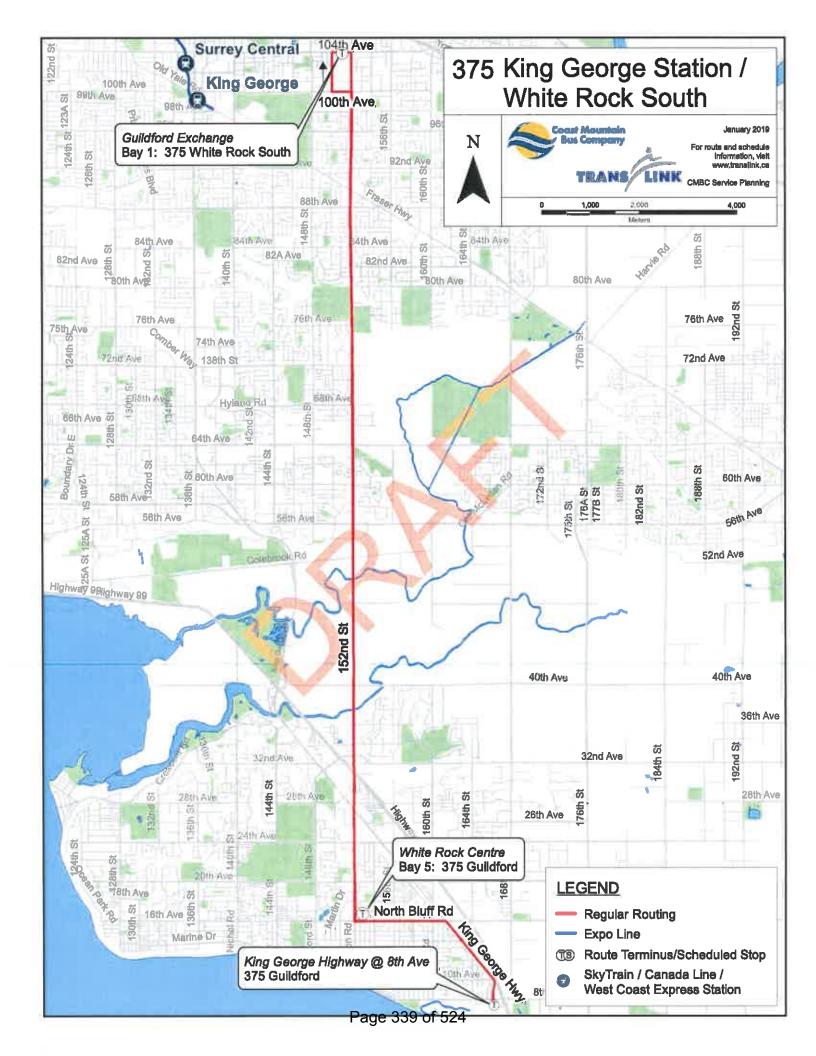
From Peace Arch Hospital via Russell, Best, 16 Ave, Johnston, Pacific, Fir, Buena Vista, 160 St, 16 Ave, King George Blvd, 160 St, Cranley, 157 St, 24 Ave, 160 St, 32 Ave, 32 Ave Diversion to King George Blvd.

Peace Arch Hospital f56258	160 St at 12 Ave (E) F56250	160 St at 24 Ave (E) F56073	King George Blvd at 32 Ave Div (E)	Peace Arch Hospital F56258	160 St at 12 Ave (E) #56250	160 St at 24 Ave (E) #56073	King George Blvd at 32 Ave Div (E)
	TES 5 5 -	O FRIDAY			SATUF		U.C.
5.30	5.38	5.48	5.59		CONT	TINUED	
5.30 6.00 6.30 7.00 7.30 8.00 8.30 9.00 9.30 10.00 11.30 11.30 12.00	5.38 6.08 6.38 7.08 7.38 8.08 8.38 9.08 9.38 10.08 11.38 12.08 12.38 1.38 12.08 1.38 2.09 2.39 3.09 3.09 3.09 5.38 6.38 7.08 7.38 8.08	5.48 6.18 6.48 7.18 7.48 8.18 8.48 9.18 9.48 10.18 11.18 11.48 12.18 12.48 1.18 1.48 2.20 2.50 3.50 4.50 5.48 6.48 7.18 7.48 8.18	5.59 6.29 6.59 7.29 7.59 9.00 9.30 10.00 11.00 11.30 12.00 12.30 1.30 2.00 2.33 3.03 3.03 4.33 5.03 5.33 6.00 6.59 7.29 7.59 8.59 9.59	5.00		5.19 5.48 6.18 6.48 7.18 7.48 8.18 8.46 9.16	5.31 6.00
6.30	6.38 7.00	6.48 7.10	6.59	5.30	5.38 e.go	5,48	6.00
7.30	7.38	7.18	7.59	6.00 6.30 7,00 7,30 8.00 8.30	5.09 5.38 6.08 6.38 7.08 7.38 8.08 8.38 9.08	6.48	6.30 7.00 7.30 8.00 8.30 8.57 9.27 9.57 10.27 10.57
8.00	8.08	8.18	8,29	7,00	7.08	7.18	7,30
8.30	8.38	8.48	9.00	7.30	7,38	7.48	8.00
9.00	9.08	9.18	9.30	8.00	8.08 e e	8.18 9.46	8.30 9.57
10.00	10.08	10.18	10.30	9.00	9.08	9.16	9.27
10.30	10.38	10.48	11.00	9.30	9.38	9.46 10.16 10.45	9.57
11.00	11.08	11.18	11.30	10.00 10.30	10.08 10.38	10.16	10.27
11.30 12.00	11.38 12.02	11.48 12.18	12.00 12.20	10.30	10.38	10.46	
12 20	12.38	12.48	1.00	SL	INDAY & I	HOLIDAYS	S
1.00 1.30 2.00 2.30	1,08	1.18	1.30	7.00	7.08	7.18	7.29
1.30	1.38	1.48	2.00	7.30	7.38	7.48	7.59
2.00	2.09	2.20	2.33	8.00	8.09	8.19 9.40	8.31 9.01
3.00	3.09	3.20	3.33	9.00	9.09	9.19	9.31
3.30	3.39	3.50	4.03	7.30 8.00 8.30 9.00 9.30 10.00 10.30 11.00 11.30 12.00 12.30	9.39	9.49	7.29 7.59 8.31 9.01 9.31 10.01 10.31 11.01 11.31 12.01
4.00	4.09	4.20	4.33	10.00	10.09	10,19	10.31
4.30 5.00	4.39 5.00	4,50 E 20	5.03 E 33	10.30	10.39	10,49	11,01
5.30	5.38	5.48	6.00	11.30	11.39	11.49	12.01
3.30 4.00 4.30 5.00 5.30 6.00 6.30	6.08	6,18	6.30	12.00	12.09	12,19	12.31
6.30	6.38	6.48	6.59	12.30	12.39	12.49	1.01 1.32 2.02
7.00 7.30	7.08 7.38	7.18 7.48	7.29 7.59	1.00 1.30	1.09	1.20 1.50	1.32 2.02
00.8	80.8	8.18	8,29	2.00	7.08 7.38 8.09 8.39 9.09 9.39 10.09 11.39 12.09 12.39 1.09 1.39 2.09	7.48 8.19 8.49 9.19 9.49 10.19 10.49 11.19 11.49 12.19 12.49 1.20 1.50 2.19	2.31
8.30 9.00 9.30	8.38 9.08 9.38	8.48 9.18	8.59	2.30 3.00	2.38 3.08 3.38	2.48 3.18 3.48	3.00
9,00	9.08	9.18 9.48	9.29 9.50	3.00 3.30	3.08	3.18	3.30 4.00
10.00	10.08	10.18	10.29	4,00	3.38 4.08	4.18	4.30
10.30	10.38	10.48	10.59	4.30	4.38	4.48	5.00
	SATU	RDAY		5.00 5.30	5.08	5.18 5.48	5.30 6.00
7,00	7.08	7.18	7,29	6.00	5.38 6.08	5.46 6.18	6.30
7.30	7.38	7.48	7.59	6.30	6.38	6.48	7.00
8.00 8,30	8.09 8.39	8.19 8.49	8.31 9.01	7,00	7,08	7,18	7,30
9.00	9.09	9.19	9.31	7.30 8.00	7.38 8.08	7.48 8.18	8.00 8.30
9.30	9.39	9.50	10.02	8.30	8.38	8.48	9.00
10.00	10.09	10.20	10.32	9.00	9,08	9,17	9,28
10.30 11.00	10.39 11.09	10.50 11.20	11.02 11.32	9.30	9.38	9.47	9.58
11.30	11.39	11.50	12.03				
12.00	12.09	12.20	12.33				
12.30	12.40	12.51	1.04				
1.00 1.30	1.09 1.39	1.20 1.50	1,32 2.02				
2.00	2,09	2.20	2.32				
2,30	2,39	2,50	3.02				
3.00	3.09	3.20	3.32				
3.30 4.00	3.39 4.09	3.50 4.19	4.02 4.31				
4.30	4.39	4.19	5.01	7 of 524			
		UED ^h	-13/11D 7 4 4	v ハチトン/			

363 Peace Arch Hospital

From King George Blvd at 32 Ave Diversion via King George Blvd, 152 St, 32 Ave Diversion, 32 Ave, 160 St, 24 Ave, 157 St, Cranley, 160 St, King George Blvd, 16 Ave, Stayte, Buena Vista, Fir, Pacific, Johnston, North Bluff, Finlay, Russell to Peace Arch Hospital.

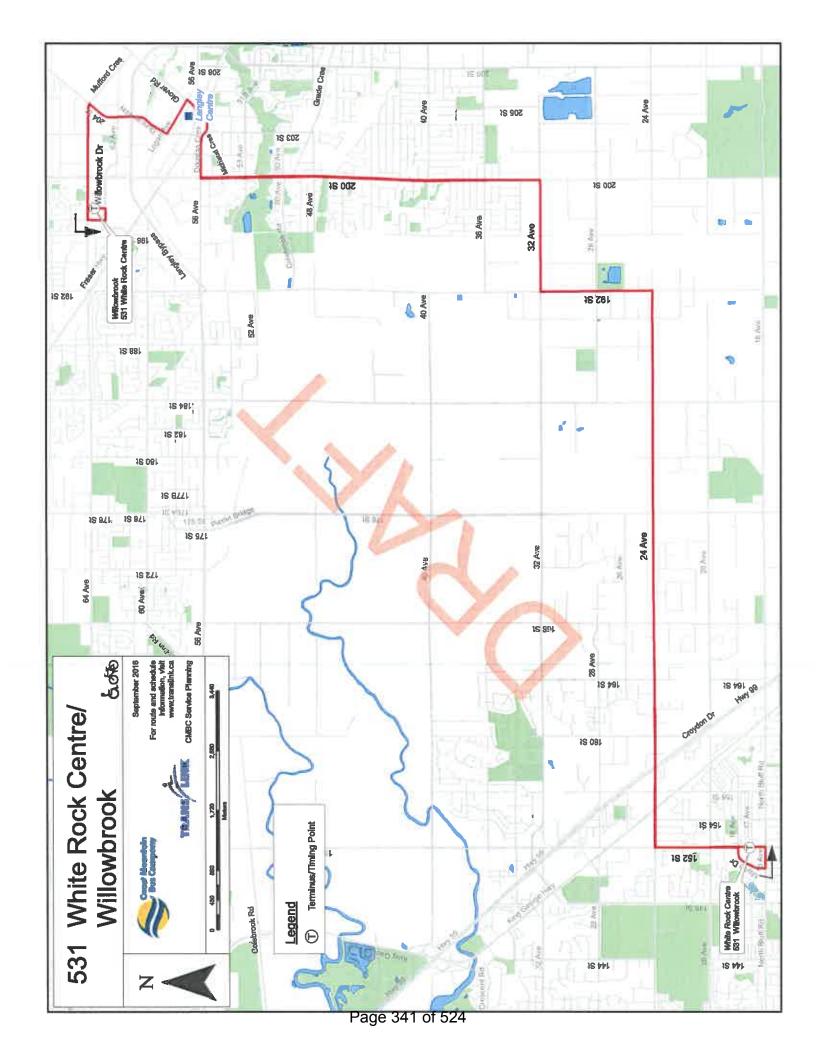
-							
ᇥ	•	Buena Vista at Stayte (E) #56267	車	l #		Buena Vista at Stayte E) #56267	酉
King George Blvd at 32 Ave Div #55474	24 Ave at 160 St (E) #61630	ž	Peace Arch Hospital (E)	King George Blvd at 32 Ave Div #55474	#	ž	Peace Arch Hospital IE)
King George Blvd 32 Ave Div #55474	S	Ħ	오		S	Ħ	운
	16	sta 37	된	.rge ×	9	sta 77	흔
90	a at	Buena Vis (E) #56267	ξ	9 2	a t	эпа Vist #56267	₹
P S S	24 Ave #61630	#2	90	Ave	88	ena ∰	906
328	4 24 9 9	B E	P (III)	<u>≥</u> 8	24 Ave at 160 St (E) #61630	Bu En	e E
	MONDAÝ 1	O FRIDA	У		SATU	RDAY	1771
5.59	6.11	6.19	6.28		CON	TINUED	
6.29	6.41 7.11 7.41	6.50	7.00 7.30 8.00 8.30	5.40	5.52 6.22 6.52 7.17	6.01	6.10
6.59	7.11	7.20	7.30	6.10	6.22	6.31	6.40
7.29	7.4} 8.11	7.50	8.00	6.10 6.40 7,05	6.52	6.31 7.01 7.26	7.10
6.29 6.59 7.29 7.59 8.29 9.00 9.30	8.11 8.41	6.50 7.20 7.50 8.20 8.49 9.20	8.50 8.58	7,05	7.17	7.26 7.48	7.35
9.00	8.41 9.12	9.20	9.29 9.59 10.30 11.00	7.30 8.00	7.40 8.1 0	8.18	7.56 8.26
9.30	9.42	9.50	9.59	8.30	8.40	8.48	8.26 8.56 9.23
10.00	10.12	10.21	10.30	8.30 8.57 9.27	9.07	9.15	9.23
10.30	10.42	10.51	11.00	9.27	9.37	9.45	9.53
11.00	11.12	11.21	11:30	9.57	10.07	10.15	10.23
12.00	12.42	12 21	12 30	10.27 10.52	10.37 11.07	10.45 11.15	10.53 11.23
12.30	12.42	12.51	1.00		NDAY &		
11.00 11.30 12.00 12.30 1.00	9.42 10.12 10.42 11.12 11.42 12.12 12.42 1.12	9.50 10.21 10.51 11.21 11.51 12.21 12.51 1.21	12.00 12.30 1.00 1.30				*
1.30 2.00 2.33 3.03 3.33	1.42 2.13	1.51 2.23 2.56 3.26 3.56	2.00 2.33 3.06 3.36	7/40	7.51 8.21 8.51 9.21 9.51 10.21 10.52 11.22 11.52 12.22 1.52 1.52 2.22 2.52	7.59 8.29	8.08
2.00	2.13	2.23 2.56	2.33	3.10	8.21	8.29	8.38
3 03	2.46 3.16	2 26 3 26	3.00	8.40 9.10	0.31 9.21	9.29	9.08 9.38
3.33	3.46	3.56	4.06	9.40	9.51	9.59	10.08
4.03 4.33 5.03 5.33 6.00	3.46 4.16	4.26 4.55 5.25 5.52 6.19	4.36	10.10	10.21	8.59 9.29 9.59 10.29 11.01 11.31	10.38
4.33	4.46 5.16	4.55	5.05	10.40 11.10	10.52	11.01	11,10
5.03	5.16	5.25	5.35	11.10	11.22	11,31	11.40
5.33	5.44 6,11	5.52	6.01	11.40 12.10	11.52	12.01 12.31	12.10 12.40
6.30	6.41	6.49	4,36 5,05 5,35 6,01 6,28 6,58 7,27 7,57 8,27 8,54	12.10	12.52	1.01	1.10
6.59	7.10	7.18 7.48	7.27	12.40 1.10	1.22	1 31	1.40
7.29	7.40	7.48	7.57	1 40	1,52	2.01	2.11
7.59	8.10	8.18	8.27	2.10	2.22	2.31	2.41
6.30 6.59 7.29 7.59 8.29 8.59 9.29 9.59	8.39	8.46 9.16	8.54	2.10 2.40 3.10	Z.52	3.01 3.31	2.41 3.10 3.40
9.29	9.09 9,39 10.09	9.46	9,24 9,54 10,24	3.10	3.52	4.00	4.09
9,59	10.09	10,16	10.24	3.40 4.10	4.22	4.30	4.39
10.29	10.39	10.46	10,54	4.40	3.22 3.52 4.22 4.51	4.59	5.08
10.59	11.09	11.16	11.24	5.10	5.21	5.29	5.38
4-1	SATUR	DAY		5.40 6.10	5.51 6.21	5,58 6.28	6.07 6.37
7.40	7.53	8.02	8.12	6.40	6.50	6.58	7.06
8.10	8.22	8.31	8.40	7.05	7.15	7.23	7.31
8.40	8.52 9,22	9.01	9.10	7.30	7.40	7.47	7.55
9.10 9.40	9.22 9.52	9.31 10,01	9.40 10.11	8.00	8.10	8.17	8,25
10.10	10,22	10.31	10.41	8.30 9.00	8.40 9.10	8,47	8.55 9.25
10.40	10,52	11.01	11.11	9.00 9.28	9.10 9.38	9.17 9.45	9,25 9,53
11.10	11. 22	11.31	11.41	9.58	10.08	10.15	10.23
11.40	11.52	12.01	12.11				
12.10 12.40	12. <u>22</u> 12.52	12.31 1.01	12.41 1.11				
1.10	1,22	1.31	1.41				
1.40	1.52	2.01	2.11				
2.10	2.22	2.31	2.41				
2.40	2.52	3.01	3.11				
3.10	3 <i>.</i> 22 3.52	3.31	3.40				
3.40 4.10	3.32 4.22	4.01 4.31	4.10 4.40				
4.40	4.52	5.01	5.10				
5.10	5.22	5.31		38 of 524	1		
	CONTINU	ED	. 490	30 01 02			



375 White Rock South / 375 Guildford

From Guildford Exchange via 104 Ave, 152 St, North Bluff (White Rock Centre), North Bluff, King George, 8 Ave roundabout, King George to 1100 Block. From King George Blvd at 1100 Block via King George, 16 Ave, 152 St (White Rock Centre), 152 St, 100 Ave, 150 St, 104 Ave to Guildford Exchange.

Guildford Exchange Bay 1 White Rock Centre Bay 4 King George at 1100 Block (E)	Guildford Exchange Bay 1 White Rock Centre Bay 4 King George at 1100 Block (E)	King George at 1100 Block #55375 White Rock Centre Bay 5 Guildford Exchange Hudson's Bay entrance (E) Guildford Exchange Bay 3 (E)	King George at 1100 Block #55375 White Rock Centre Bay 5 Guildford Exchange Hudson's Bay entrance (E) Guildford Exchange Bay 3 (E)
MON TO FRI	SATURDAY	MON TO FRI	SATURDAY
6.18 6.53 7.03 6.48 7.25 7.38 7.18 7.58 8.11 7.45 8.29 8.44 8.15 8.59 9.14 8.45 9.23 9.36 9.18 9.58 10.11 9.48 10.28 10.41 10.18 10.59 11.12	CONTINUED 3.20 4.02 4.11 3.50 4.32 4.41 4.20 5.02 5.11 4.50 5.32 5.41 5.20 6.02 6.11 5.50 6.32 6.41 6.20 6.58 7.07 6.50 7.28 7.37 7.50 8.28 8.37	6.13 6.19 - 6.57 6.43 6.49 7.25 - 7.18 7.24 - 8.02 7.47 7.54 8.33 - 8.17 8.24 - 9.07 8.49 8.56 - 9.37 9.19 9.26 10.05 - 9.47 9.54 - 10.35 10.4710.24 11.03 - 10.4710.54 11.33 -	CONTINUED 3.49 3.56 - 4.41 4.19 4.26 - 5.11 4.49 4.56 - 5.41 5.19 5.26 - 6.07 5.49 5.56 - 6.37 6.19 6.26 - 7.04 6.49 6.56 - 7.34 7.49 7.56 - 8.34 8.49 8.56 - 9.31
10.48 11.29 11.42 11.18 11.59 12.12 11.48 12.29 12.42 12.17 12.58 1.11 12.47 1.28 1.41 1.17 1.58 2.11 1.47 2.29 2.42 2.17 3.02 3.15 2.47 3.34 3.47 3.17 4.06 4.18	8.50 9.28 9.37 9.50 10.25 10.34 10.50 11.25 11.34 SUN & HOL 8.50 7.22 7.32 7.20 7.52 8.05 7.50 8.22 8.35 8.20 6.55 9.08	11.711.7412.03 - 11.4711.54 - 12.36 12.1712.25 1.04 - 12.4712.55 1.34 - 1.17 1.25 2.04 - 1.48 1.56 2.39 - 2.19 2.27 - 3.14 2.49 2.57 - 3.50 3.20 3.28 - 4.22 3.52 4.00 - 4.54	SUN & HOL 6.49 6.56 7.32 - 7.19 7.26 - 8.01 7.49 7.56 8.32 - 8.19 8.26 9.02 - 8.49 8.56 9.32 - 9.19 9.26 10.02 - 9.49 9.56 10.32 - 10.1910.26 - 11.07
3.47 4.36 4.48 4.17 5.06 5.18 4.48 5.33 5.45 5.17 6.02 6.14 5.48 6.29 6.41 6.18 6.57 7.09 6.48 7.26 7.38 7.48 8.23 8.35	8.50 9.25 9.38 9.20 9.55 10.05 9.50 10.25 10.35 10.20 10.57 11.07 10.50 11.26 11.36 11.20 11.56 12.06 11.50 12.26 12.36 12.20 12.57 1.07	3.52 4.00 - 4.54 4.23 4.31 - 5.27 4.53 5.01 - 5.56 5.23 5.31 6.16 - 5.50 5.58 6.40 - 6.19 6.27 - 7.08 6.48 6.56 7.34 - 7.48 7.56 8.30 -	10.4910.56 - 11.37 11.1911.26 - 12.07 11.4911.56 - 12.37 12.1912.26 - 1.07 12.4912.56 - 1.37 1.19 1.26 - 2.07 1.49 1.56 - 2.37 2.19 2.26 - 3.05
9.48 10.23 10.33 10.48 11.23 11.33 SATURDAY 6.20 6.53 7.04 6.50 7.23 7.34 7.20 7.53 8.04	12.50 1.27 1.37 1.20 1.59 2.09 1.50 2.29 2.39 2.20 2.59 3.09 2.50 3.29 3.39 3.20 4.01 4.11 3.50 4.30 4.40 4.20 5.00 5.10	6.49 6.56 - 7.32 7.19 7.26 - 8.03 7.49 7.56 - 8.33 8.19 8.26 - 9.04	3.19 3.26 - 4.07 3.49 3.56 - 4.37 4.19 4.26 - 5.07 4.49 4.56 - 5.37 5.19 5.26 - 6.07 5.49 5.56 - 6.37 6.19 6.26 - 7.04
7.50 8.26 8.37 8.20 8.59 9.10 8.50 9.29 9.40 9.20 9.59 10.10 9.50 10.29 10.40 10.20 10.59 11.10 10.50 11.29 11.40 11.20 12.01 12.12 11.50 12.32 12.41 12.20 1.02 1.11 12.50 1.32 1.41 1.20 2.02 2.11 1.50 2.32 2.41 2.20 3.02 3.11	6.50 7.27 7.37 7.50 8.27 8.37 8.50 9.27 9.37	8.49 8.56 - 9.34 9.19 9.26 - 10.06 9.49 9.56 - 11.09 10.1910.26 - 11.39 11.1911.26 - 12.09 11.4911.56 - 12.39 12.1912.26 - 1.10 1.19 1.26 - 2.11 1.49 1.56 - 2.41 2.19 2.26 - 3.11 2.49 2.56 - 3.41 3.49 3.26 - 4.11	6,49 6.56 - 7.34 7.49 7.56 - 8.32 8.49 8.56 - 9.32
2.50 3.32 3.41 CONTINUED	Page 3	40 67524	



531 White Rock Centre / 531 Willowbrook

From 198 St at 64 Ave via 198 St, 64 Ave, 204 St, 204 St overpass, Logan (Langley Centre), Glover, 204 St, Douglas, 56 Ave, 200 St, 32 Ave, 192 St, 24 Ave, 152 St, Martin, North Bluff, 152 St to White Rock Centre.

From White Rock Centre via 152 St, 24 Ave, 192 St, 32 Ave, 200 St, 56 Ave, Douglas, 204 St, Glover, Logan (Langley Centre), 204 St overpass, 204 St, 64 Ave, 197 St Willowbrook Dr, to 198 St.

9					
-	9			Langley Centre Bay 7 (E)	
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∞ 8	Pg 4	華	불	jg ∠	₹ 5
198 St at 64 Ave #61668	Langley Centre Bay 4 (E)	White Rock Centre (E)	White Rock Centre Bay 9	ga Far	198 St at 64 Ave (E)
1000	NDAY TO FRI			NDAY TO FRI	
5.40	5.45	6.23	INIOI	5.19*	וחע
6.10	6.15	6.58	1	5.49*	-
6.40	6.46	7.30	5.47	6.21	6.29
7.10	7.16	8.01	6.17	6.52	7.00
7.40	7.46	8.33	6.47	7.23	7.31
8.10	8.16	9.01	7.17	7.54	8.02
8.40	8.46	9.29	7.47	8.22	8.30
9.10	9.16	9.59	8.16	8.55	9.04
9.40	9.46	10.31	8.45	9.22	9.30
10.10	10.16	11.01	9.15	9.52	10.01
10.40	10.46	11.01 11.31	9.45	10.23	10.32
11.10	11.16	12,03	10.15	10.52	11.01
11.40	11.46	12.33	10.45	11.22	11.31
12.10	12,16	1.03	11:15	11.55	12.04
12,40	12,46	1.33	11.45	12.24	12.33
1.10	1.16	2.04	1 12.15	12,54	1.03
1.40	1.47	2.34	12.45	1,24 1.54	1,33
2.10	2.17	3.07	1.15	1.54	2.03
2.40	2.48	3,40	1.45	2.24	2.33
3.10	3.17	4.09	2.12	2.51	3.00
3.40	3.47	4,35	2.42	3.24	3.33
4.10	4.17	5.09 5.35	3.12	3.57	4.07
4.40 5.40	4.47 5.46	2,39	3.42 4.12	4,25 4,55	4,35
5.40 5.10	5.17	6.32 6.04	4.42	4,55 5,24	5,05 5,33
6.10	6.16	5.58	5.12	5.51	6.00
6.40	6.45	7.24	5.45	6.22	6.31
7.10	7.15	7.54	6.15	6.52	7,00
					- 100
7.40	7.45	8.25	6.45	7.22	7.30
7.40	7.45 8.15	8. 2 5	6.45	7,22	7.30 8.03
7.40 8.10	8.15	8,25 8.53	6.45 7,20	7,22 7,55	8.03
7.40	7.45 8.15 8.45	8. 2 5	6.45 7.20 7.50	7,22 7,55 8,23	8.03 8.31
7.40 8.10	8.15	8,25 8.53	6.45 7,20	7,22 7,55	8.03
7.40 8.10	8.15	8,25 8.53	6.45 7.20 7.50 8.15 8.45	7,22 7,55 8,23 8,47	8,03 8,31 8,55
7.40 8.10 8.40	8.15 8.45 SATURDAY 5.55	8.25 8.53 9.22	6.45 7,20 7,50 8.15 8.45	7,22 7,55 8,23 8,47 9,17 SATURDAY 6,26	8.03 8.31 8.55 9.24 6.34
7.40 8.10 8.40 5.50 6.20	8.15 8.45 SATURDAY 5.55 6.25	8.25 8.53 9.22 6.34 7.05	6.45 7.20 7.50 8.15 8.45	7,22 7,55 8,23 8,47 9,17 SATURDAY 6,26 6,56	8.03 8.31 8.55 9.24 6.34 7.04
7.40 8.10 8.40 5.50 6.20 6.50	8.15 8.45 SATURDAY 5.55 6.25 6.55	8.25 8.53 9.22 6.34 7.05 7.35	6.45 7.20 7.50 8.15 8.45 5.50 6.20 6.50	7.22 7.55 8.23 8.47 9.17 SATURDAY 6.26 6.56 7.26	8.03 8.31 8.55 9.24 6.34 7.04 7.34
7.40 8.10 8.40 5.50 6.20 6.50 7.20	8.15 8.45 SATURDAY 5.55 6.25 6.55 7.25	8.25 8.53 9.22 6.34 7.05 7.35 8.05	6.45 7.20 7.50 8.15 8.45 5.50 6.20 6.50 7.20	7.22 7.55 8.23 8.47 9.17 SATURDAY 6.26 6.56 7.26 7.56	6.34 7.04 7.34 8.04
7.40 8.10 8.40 5.50 6.20 6.50 7.20 7.50	8.15 8.45 SATURDAY 5.55 6.25 6.55 7.25 7.55	8.25 8.53 9.22 6.34 7.05 7.35 8.05 8.35	6.45 7.20 7.50 8.15 8.45 5.50 6.20 6.50 7.20 7.50	7,22 7,55 8,23 8,47 9,17 SATURDAY 6,26 6,56 7,26 7,56 8,26	6.34 7.04 7.34 8.04 8.34
7.40 8.10 8.40 5.50 6.20 6.50 7.20 7.50 8.20	8.15 8.45 SATURDAY 5.55 6.25 6.25 7.25 7.55 8.26	8.25 8.53 9.22 6.34 7.05 7.35 8.05 8.35 9.09	6.45 7.20 7.50 8.15 8.45 5.50 6.20 6.50 7.20 7.50 8.20	7,22 7,55 8,23 8,47 9,17 SATURDAY 6,26 6,56 7,26 7,56 8,26 8,57	6.34 7.04 7.34 8.04 8.34 9.06
7.40 8.10 8.40 5.50 6.20 6.50 7.20 7.50 8.20 8.50	8.15 8.45 8.45 5.55 6.25 6.55 7.25 7.55 8.26 8.56	8.25 8.53 9.22 6.34 7.05 7.35 8.05 8.35 9.09 9.39	5.50 6.20 6.50 7.50 8.45	7,22 7,55 8,23 8,47 9,17 SATURDAY 6,26 6,56 7,26 7,56 8,26 8,57 9,27	8.03 8.31 8.55 9.24 6.34 7.04 7.34 8.04 8.34 9.06 9.36
5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20	8.15 8.45 8.45 5.55 6.25 6.55 7.25 7.55 8.26 8.56 9.26	8.25 8.53 9.22 6.34 7.05 7.35 8.05 8.35 9.09 9.39 10.12	5.50 6.20 6.50 7.50 8.45	7,22 7,55 8,23 8,47 9,17 SATURDAY 6,26 6,56 7,26 7,56 8,26 8,57 9,27 10,00	6.34 7.04 7.34 8.04 8.34 9.06 9.36 10.09
5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50	8.15 8.45 8.45 5.55 6.25 6.55 7.25 7.55 8.26 8.56 9.26 9.56	8.25 8.53 9.22 6.34 7.05 7.35 8.05 8.35 9.09 9.39 10.12 10.42	5.50 6.20 6.50 7.50 8.45 5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50	7,22 7,55 8,23 8,47 9,17 SATURDAY 6,26 6,56 7,26 7,56 8,26 8,57 9,27 10,00 10,30	6.34 7.04 7.34 8.04 8.34 9.06 9.36 10.09 10.39
5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50 10.20	8.15 8.45 8.45 5.55 6.25 6.55 7.25 7.55 8.26 8.56 9.26 9.56 10.26	8.25 8.53 9.22 6.34 7.05 7.35 8.05 8.35 9.09 9.39 10.12 10.42 11.12	5.50 6.20 6.50 7.50 8.45 5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50	7,22 7,55 8,23 8,47 9,17 SATURDAY 6,26 6,56 7,26 7,56 8,26 8,57 9,27 10,00 10,30 11,00	6.34 7.04 7.34 8.04 8.34 9.06 9.36 10.09 10.39 11.09
5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50 10.20	8.15 8.45 8.45 5.55 6.25 6.55 7.25 7.55 8.26 8.56 9.26 9.56 10.26	6.34 7.05 7.35 8.05 8.35 9.09 9.39 10.12 10.42 11.12	5.50 6.20 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50 10.20	7,22 7,55 8,23 8,47 9,17 SATURDAY 6,26 6,56 7,26 7,56 8,26 8,57 9,27 10,00 10,30 11,00 11,30	6.34 7.04 7.34 8.04 8.34 9.06 9.36 10.09 10.39 11.09
7.40 8.10 8.40 5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50 10.20 10.50 11.20	8.15 8.45 8.45 5.55 6.25 6.55 7.25 7.55 8.26 8.56 9.26 9.56 10.26 10.56 11.26	6.34 7.05 7.35 8.05 8.35 9.09 9.39 10.12 10.42 11.12 11.42 12.12	5.50 6.20 6.50 7.50 8.45 5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50 10.20	7,22 7,55 8,23 8,47 9,17 SATURDAY 6,26 6,56 7,26 7,56 8,26 8,57 9,27 10,00 10,30 11,00 11,30 12,01	6.34 7.04 7.34 8.04 8.34 9.06 9.36 10.09 10.39 11.09 11.39
7.40 8.10 8.40 5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50 10.20 10.50 11.50	8.15 8.45 8.45 5.55 6.25 6.55 7.25 7.55 8.26 8.56 9.26 9.56 10.26 11.26 11.56	6.34 7.05 7.35 8.05 8.35 9.09 9.39 10.12 10.42 11.12 11.42 12.12 12.42	5.50 6.20 6.50 7.50 8.45 5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50 10.20 10.50 11.20 11.50	7.22 7.55 8.23 8.47 9.17 SATURDAY 6.26 6.56 7.26 7.56 8.26 8.57 9.27 10.00 10.30 11.30 11.30 12.01	6.34 7.04 7.34 8.04 8.34 9.06 9.36 10.09 10.39 11.09 11.39 12.10
7.40 8.10 8.40 5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50 10.20 10.50 71.20 11.50 12.20	8.15 8.45 8.45 5.55 6.25 6.55 7.25 7.55 8.26 8.56 9.26 9.56 10.26 10.26 11.26 11.56 12.27	6.34 7.05 7.35 8.05 8.35 9.09 9.39 10.12 10.42 11.12 11.42 12.12 12.42 1.15	5.50 6.20 6.50 7.50 8.45 5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50 10.20 10.50 11.20 11.50 12.20	7.22 7.55 8.23 8.47 9.17 SATURDAY 6.26 6.56 7.26 7.56 8.26 8.57 9.27 10.00 10.30 11.00 11.30 12.01 12.01	6.34 7.04 7.34 8.04 8.34 9.06 9.36 10.09 10.39 11.09 11.39 12.10 12.40 1.10
7.40 8.10 8.40 5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50 10.20 11.50 11.50 12.20 12.50	8.15 8.45 8.45 5.55 6.25 6.55 7.25 7.55 8.26 8.56 9.26 9.56 10.26 10.26 11.26 11.56 12.27	6.34 7.05 7.35 8.05 8.35 9.09 9.39 10.12 10.42 11.12 11.42 12.12 12.42 1.15 1.45	6.45 7.20 7.50 8.15 8.45 5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50 10.20 10.50 11.20 11.50 12.20	7.22 7.55 8.23 8.47 9.17 SATURDAY 6.26 6.56 7.26 7.56 8.26 8.57 9.27 10.00 10.30 11.00 11.30 12.01 1.31	6.34 7.04 7.34 8.04 8.34 9.06 9.36 10.09 10.39 11.09 11.39 12.10 12.40 1.40
7.40 8.10 8.40 5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50 10.20 11.50 12.20 12.50	8.15 8.45 8.45 5.55 6.25 6.25 7.25 7.55 8.26 8.56 9.26 9.56 10.26 10.56 11.56 11.26 11.56 12.27	6.34 7.05 7.35 8.05 8.35 9.09 9.39 10.12 10.42 11.12 11.42 12.12 12.42 1.15 1.45 2.15	5.50 6.20 6.50 7.50 8.45 5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50 10.20 11.20 11.50 12.20 12.50	7.22 7.55 8.23 8.47 9.17 SATURDAY 6.26 6.56 7.26 7.56 8.26 8.57 9.27 10.00 10.30 11.00 11.30 12.01 1.31 1.01 1.31	6.34 7.04 7.34 8.04 8.34 9.06 9.36 10.09 10.39 11.09 11.39 12.10 12.40 1.10 1.40
7.40 8.10 8.40 5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50 10.20 11.50 12.20 1.50 1.20	8.15 8.45 8.45 5.55 6.25 6.25 7.25 7.25 7.55 8.26 8.56 9.26 9.56 10.26 11.26 11.26 11.27 12.57	6.34 7.05 7.35 8.05 8.35 9.09 9.39 10.12 10.42 11.12 11.42 12.12 12.42 1.15 1.45 2.15 2.45	6.45 7.20 7.50 8.15 8.45 5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50 10.20 10.50 11.20 12.20 12.50	7.22 7.55 8.23 8.47 9.17 SATURDAY 6.26 6.56 7.26 7.56 8.26 8.57 9.27 10.00 10.30 11.00 11.30 12.01 12.01 1.31 2.01 2.31	6.34 7.04 7.34 8.04 8.34 9.06 9.36 10.09 10.39 11.09 11.39 12.10 12.40 1.40
7.40 8.10 8.40 5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50 10.20 11.50 12.20 12.50	8.15 8.45 8.45 5.55 6.25 6.25 7.25 7.55 8.26 8.56 9.26 9.56 10.26 10.56 11.56 11.26 11.56 12.27	6.34 7.05 7.35 8.05 8.35 9.09 9.39 10.12 10.42 11.12 11.42 12.12 12.12 12.12 1.45 2.15 2.45 3.15	5.50 6.20 6.50 7.50 8.45 5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50 10.20 11.20 11.50 12.20 12.50	7.22 7.55 8.23 8.47 9.17 SATURDAY 6.26 6.56 7.26 7.56 8.26 8.57 9.27 10.00 10.30 11.00 11.30 12.01 1.31 1.01 1.31	8.03 8.31 8.55 9.24 6.34 7.04 7.34 8.04 8.34 9.06 9.36 10.09 10.39 11.09 11.39 12.10 12.40 1.40 2.10 2.40
7.40 8.10 8.40 5.50 6.20 6.50 7.20 7.50 8.20 9.20 9.50 10.20 11.50 12.20 1.50 1.20 1.50 2.20	8.15 8.45 8.45 5.55 6.25 6.55 7.25 7.55 8.26 8.56 9.26 9.56 10.26 11.26 11.56 12.27 12.57 1.57 2.27	6.34 7.05 7.35 8.05 8.35 9.09 9.39 10.12 10.42 11.12 11.42 12.12 12.42 1.15 1.45 2.15 2.45	6.45 7.20 7.50 8.15 8.45 5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50 10.20 11.50 11.50 12.20 1.50 1.50 2.20	7,22 7,55 8,23 8,47 9,17 SATURDAY 6,26 6,56 7,26 7,56 8,26 8,57 9,27 10,00 10,30 11,00 11,30 12,01 12,31 1,01 1,31 2,01 2,31 3,01	8.03 8.31 8.55 9.24 6.34 7.04 7.34 8.04 8.34 9.06 9.36 10.09 10.39 11.39 12.10 12.40 1.10 1.40 2.10 2.40 3.10
7.40 8.10 8.40 5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50 10.20 11.50 12.20 12.50 1.50 2.20 2.50	8.15 8.45 8.45 5.55 6.25 6.25 7.25 7.25 7.55 8.26 8.56 9.26 9.56 10.26 11.26 11.56 12.27 12.57 1.57 2.27	8.25 8.53 9.22 6.34 7.05 7.35 8.05 8.35 9.09 9.39 10.12 10.42 11.42 12.12 12.42 1.15 1.45 2.15 2.45 3.15 3.45	6.45 7.20 7.50 8.15 8.45 5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50 10.20 11.50 12.20 12.50 1.50 2.20 2.50 3.20	7,22 7,55 8,23 8,47 9,17 SATURDAY 6,26 6,56 7,26 7,56 8,26 8,57 9,27 10,00 10,30 11,00 11,30 12,01 12,31 1,01 1,31 2,01 2,31 3,01 3,31	8.03 8.31 8.55 9.24 6.34 7.04 7.34 8.04 8.34 9.06 9.36 10.09 11.39 12.10 12.40 1.10 1.40 2.10 2.40 3.10 3.40
7.40 8.10 8.40 5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50 10.20 11.50 12.20 12.50 1.50 2.20 2.50 3.50 4.20	8.15 8.45 8.45 5.55 6.25 6.25 7.25 7.55 8.26 8.56 9.26 9.56 10.26 11.56 11.56 12.27 12.57 1.27 1.27	8.25 8.53 9.22 6.34 7.05 7.35 8.05 8.35 9.09 9.39 10.12 10.42 11.12 11.42 12.12 12.42 1.15 1.45 2.15 2.45 3.15 3.45 4.15 4.45 5.15	6.45 7.20 7.50 8.15 8.45 5.50 6.20 6.50 7.20 7.50 8.20 8.50 9.20 9.50 10.20 11.20 11.50 12.20 12.50 1.50 2.20 2.50 3.50 4.20	7,22 7,55 8,23 8,47 9,17 SATURDAY 6,26 6,56 7,26 7,56 8,26 8,57 9,27 10,00 10,30 11,00 11,30 12,01 1,31 1,01 1,31 2,01 2,31 3,01 3,31 4,01	8.03 8.31 8.55 9.24 6.34 7.04 7.34 8.04 8.34 9.06 9.36 10.09 10.39 11.09 11.39 12.10 1.40 2.10 2.40 3.10 3.40 4.10 4.40 5.10

This trip starts 15 minutes earth 120 Troin 204 St 2 40 Ave, routing via 204 St, 42 Ave, 208 St, 40 Ave, 200 St then regular route to Langley Centre only.

531 White Rock Centre / 531 Willowbrook

198 St at 64 Ave to White Rock Centre.

White Rock Centre to 198 St at 64 Ave.

(Refer to Monday to Friday for routing)

	(1101011)	o Worlday K			
198 St at 64 Ave #61668	Langley Centre Bay 4 {E}	White Rock Centre (E)	White Rock Centre Bay 9	Langley Centre Bay 7 (E)	198 St at 64 Ave (E)
15- 11-11-15	SATURDAY		A DATE OF	SATURDAY	
Marine Marine					
	CONTINUE			. CONTINUE	
4.50	4.56	5.41	4.50	5.29	5.38
5.20	5.26	6.11	5,20	5,57	6.05
5.50	5.56	6.41	5.50	6.27	6.35
6.20	6.26	7.11	6.20	6.57	7.05
6.50	6.56	7.41	6.50	7.27	7.35
7.20	7.26	80.8	7.20	7.57	8.05
7.50	7.56	8.38	7.50	8.24	8.32
8.20	8.26	9.08	8.20	8.54	9,02
8.50	8.56	9.36	8.50	9.24	9.32
SUN	IDAY & HOLI	DAYS	SUND	AY & HOLID	AYS
		10.70	E EO	6 27	6.26
5.50	5.55	6.32	5.50	6.27	6.36
6.20	6.25	7.03	6.20	6.57	7.06
6.50	6.55	7.33	6.50	7.27 7.57	7.36
7.20	7.25	8.04	7.20	7.57	8.06
7.50	7.55	8.34	7.50	8.27	8.36
8.20	8.25	9.05	8.20	8.57 9.27	9.06
8.50	8.55	9.35	8.50	9,27	9.36
9.20	9.26	10.08	9.20	9.57	10.06
9.50	9.56	10.38	9.50	10.27	10.36
10.20	10.26	11.08	10.20	10.57	11.06
10,50	10.56	11.38	10.50	11.27	11.36
11.20	11.26	12,08	11.20	11.57	12.06
11.50	11.56	12.38	11.50	12,27	12.36
12.20	12.26	1.08	12,20	12,57	1.06
12.50	12.56	1.38	12.50	1.29	1.38
1.20	1.26	2.08	1.20	1.59	2.08
1.50	1.56	2.38	1.50	2.29	2.38
2.20	2,26	3,08	2.20	2.59	3.08
2,50	2.56	3.38	2.50	3.29	3.38
3,20	3.26	4.08	3.20	3.59	4.08
3 50	3,56	4.38	3.50	4.29	4.38
4.20	4.26	5.08	4.20	4.59	5.08
4.50	4.56	5.38	4.50	5,29	5.38
5.20	5.26	6.08	5.20	5.57	6.05
5.50	5.56	6,38	5.50	6.27	6.35
6,20	6,26	7.08	6.20	6.57	7.05
6,50	6.56	7.38	6.50	7.27	7.35
7.20	7.26	8.06	7.20	7.57	8.05
7.50	7.56	8.36	7.50	8.27	8.35
8.20	8.26	9.06	8.20	8.57	9.05
8.50	8.55	gag e 343		9.27	9.35
0.50	0.33	ייי כי פטוני.	0.00	J.E/	7,00

Appendix C Traffic Count Data





Wednesday, April 03, 2019

Vehicle Classification Summary

#7025: 1485 Fir Street Traffic Impact Study White Rock Rein Project: Municipality: Weather:

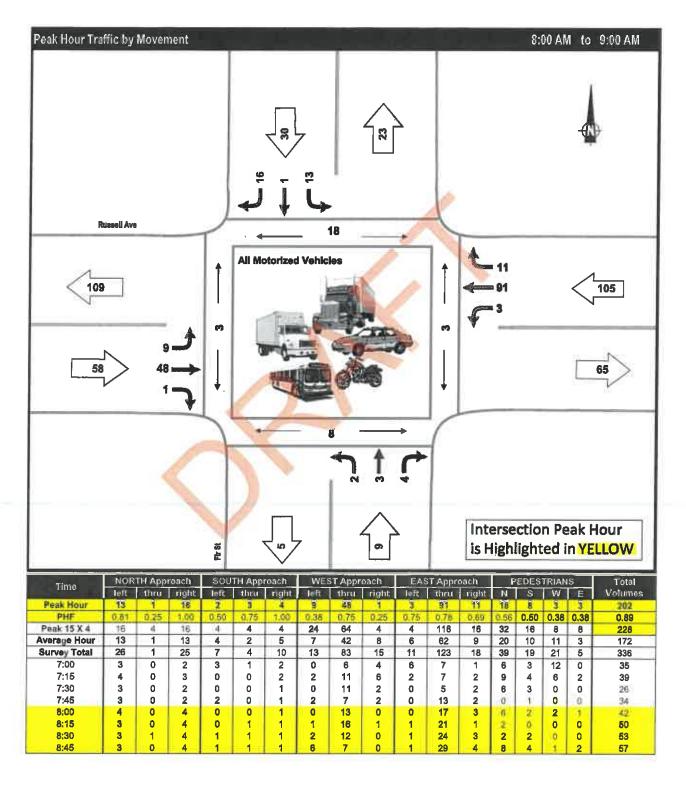
			Vehicle Classification				
Time Period	Entering Intersection	Passenger Cars	Heavy Vehicles (3 or more axies)		Total		
Morning	Volume	335	1		336		
(07:00 - 09:00)	%	99.7%	0.3%		100.0%		
Midday (11:00 - 13:00)	Volume	668	3		671		
	%	99.6%	0.4%		100.0%		
Afternoon	Volume	963	1		964		
(15:00 - 18:00)	%	99.9%	0.1%		100.0%		
Total	Volume	1,966	В	A	1,971		
(7 Hours)	%	99.7%	0.3%	4	100.0%		



Municipality: White Rock Weather: Rain

Vehicle Class: All Motorized Vehicles

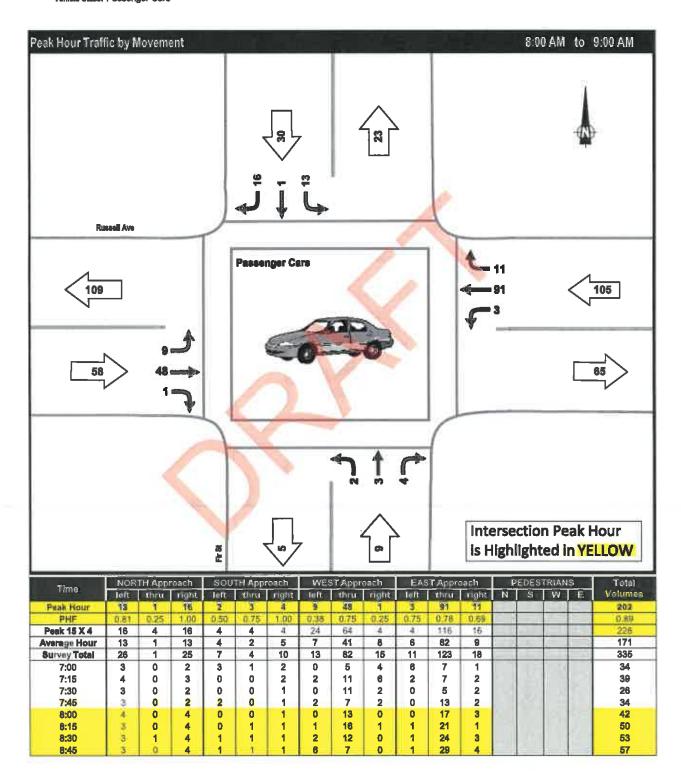
Morning Peak Period





Municipality: White Rock Weather: Rain Vehicle Class: Passenger Cars

Morning Peak Period





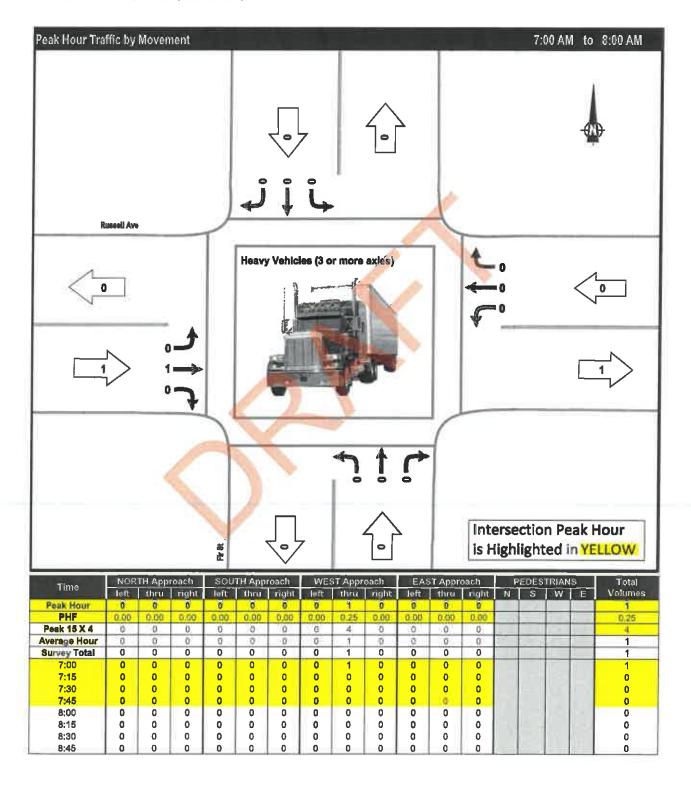
Municipality: White Rock

Weather: Rain

Vehicle Class: Heavy Vehicles (3 or more axies)

Wednesday, April 03, 2019

Morning Peak Period



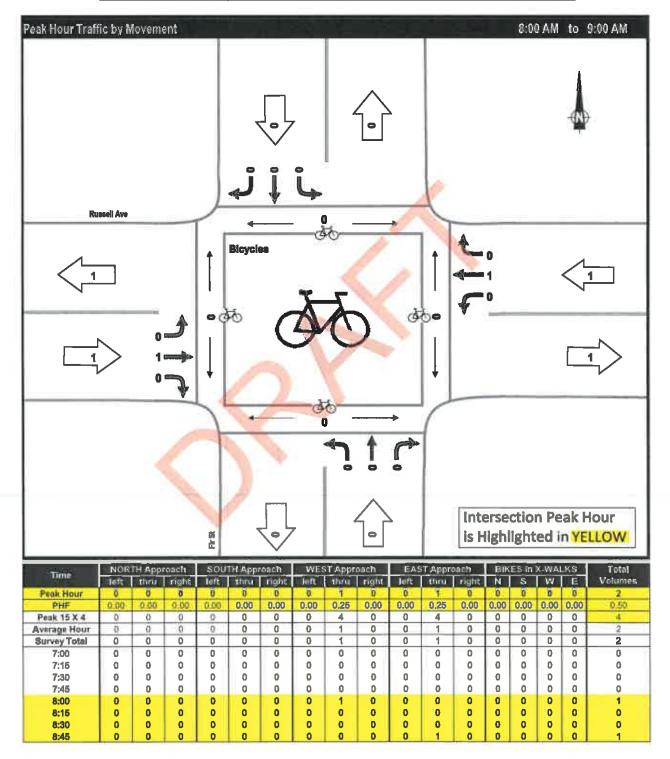


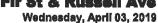
Morning Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain Vehicle Class: Bicycles

Note: Grosswalk bike volumes shown are cyclists who node their bike ecross the crosswalk and are not included in the nedestrian volume totals



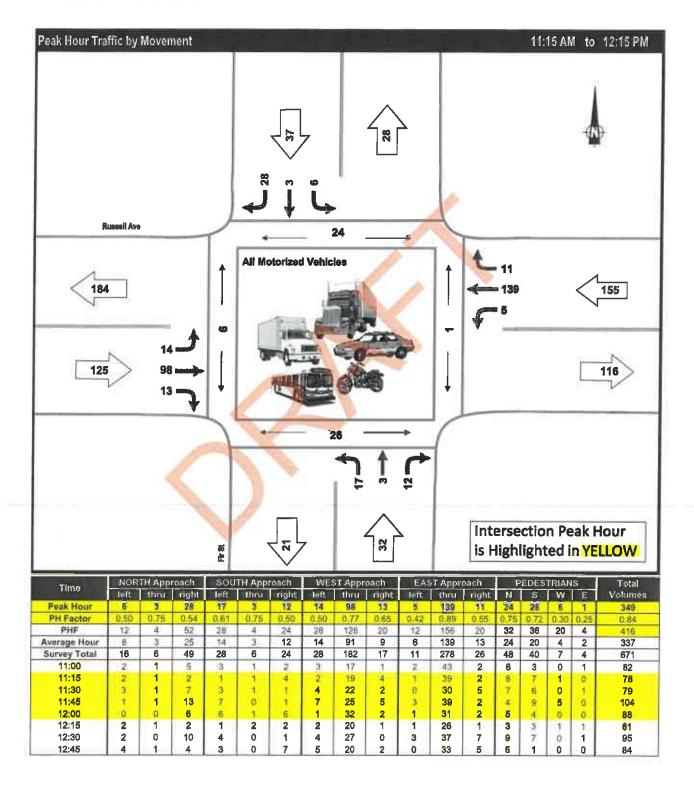




Project: #7025: 1485 Fir Street Traffic Impact Study Municipality: White Rock

Weather: Rain

Vehicle Class: All Motorized Vehicles

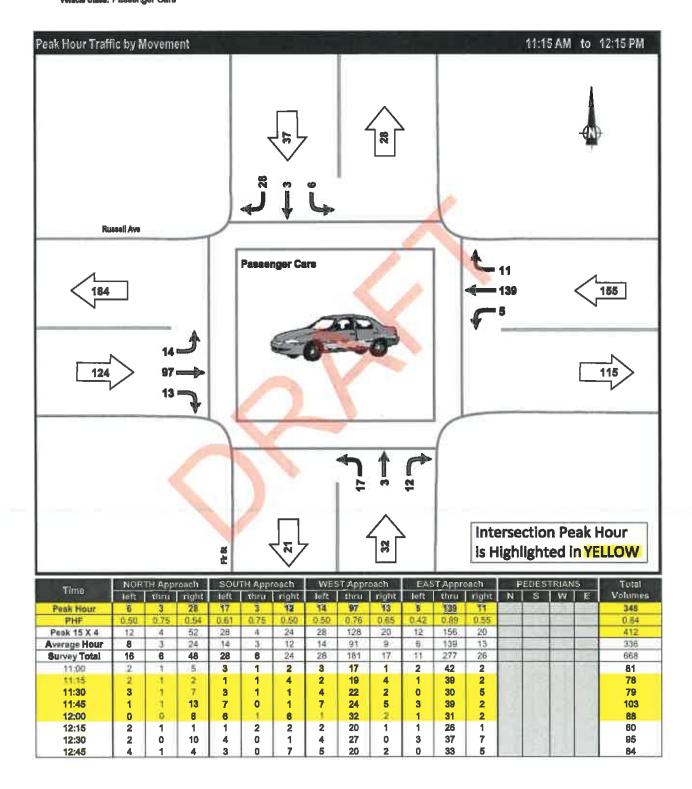




Wednesday, April 03, 2019

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain Vehicle Class: Passenger Cars

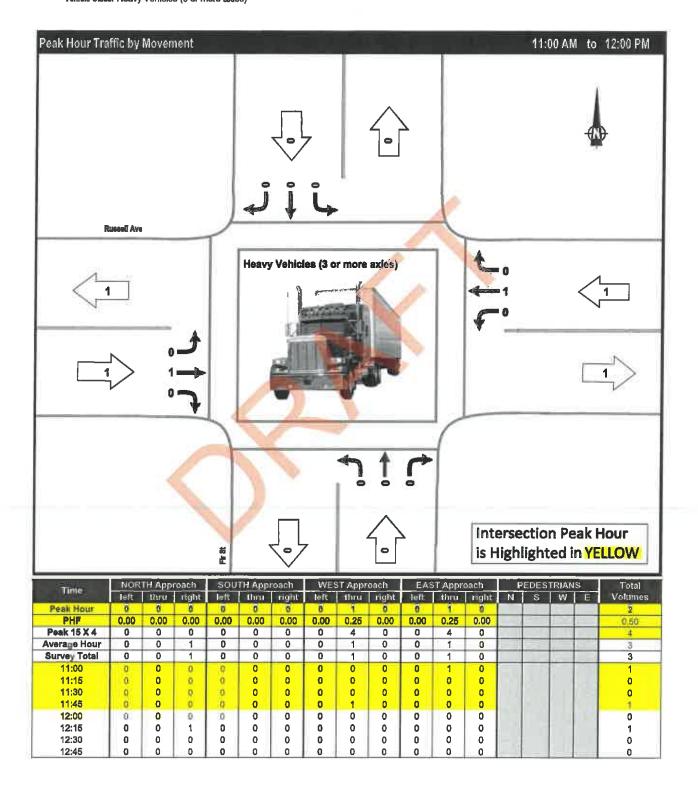


Midday Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain

Vehicle Class: Heavy Vehicles (3 or more axles)



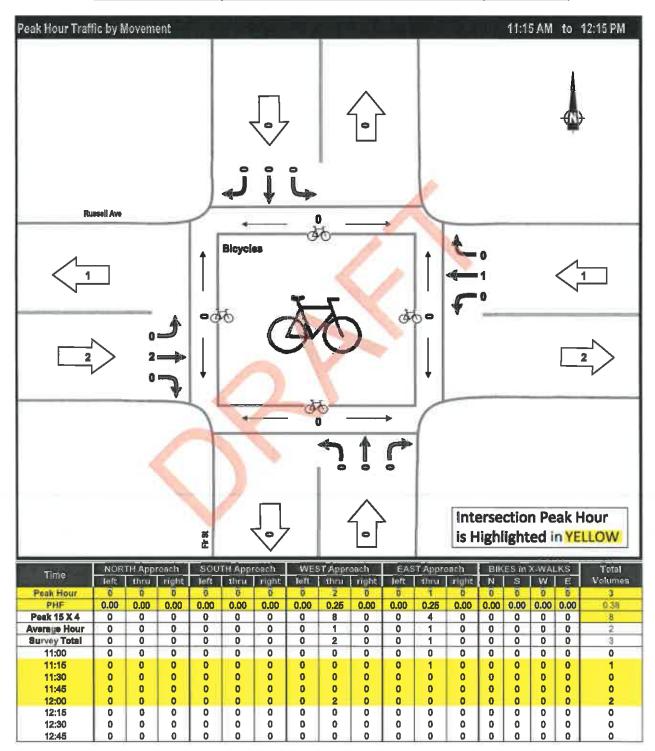


Midday Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain Vehicle Class: Bicycles

Note: Crosswalk bike volumes shown are cyclists who rode their bike across the crosswalk and are not included in the pedestrian volume totals,





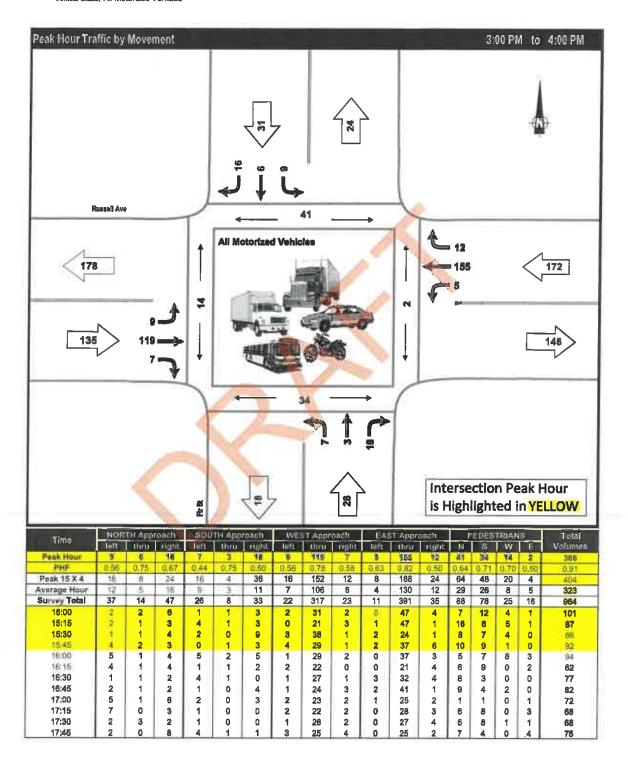
Wednesday, April 03, 2019

Afternoon Peak Period

Project: #7025; 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain

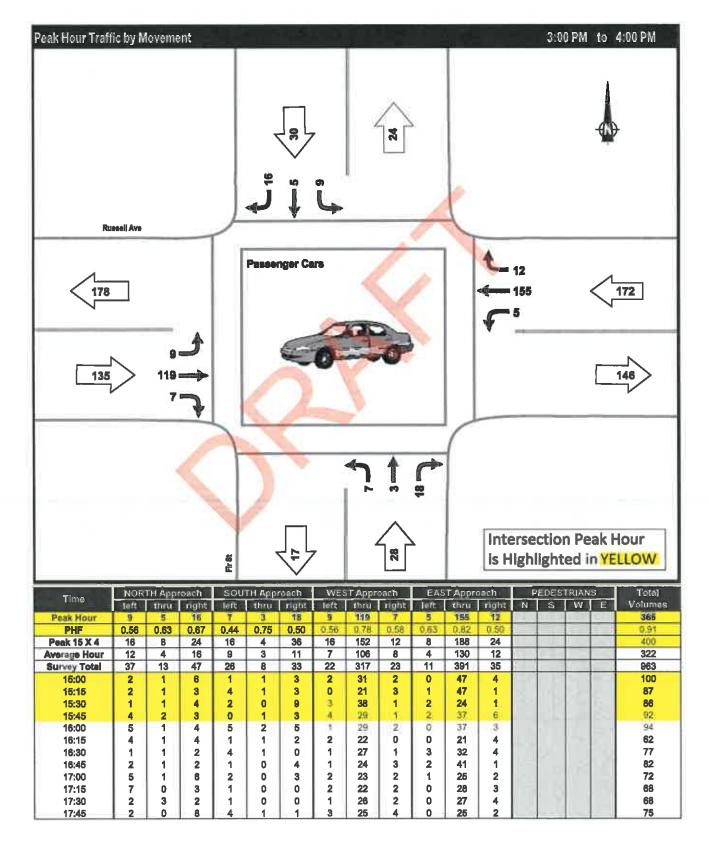
Vehicle Class; All Motorized Vehicles



Project: #7025: 1485 Ftr Street Traffic Impact Study Municipality: White Rock

Weather: Rain Vehicle Class: Passenger Cars

Afternoon Peak Period

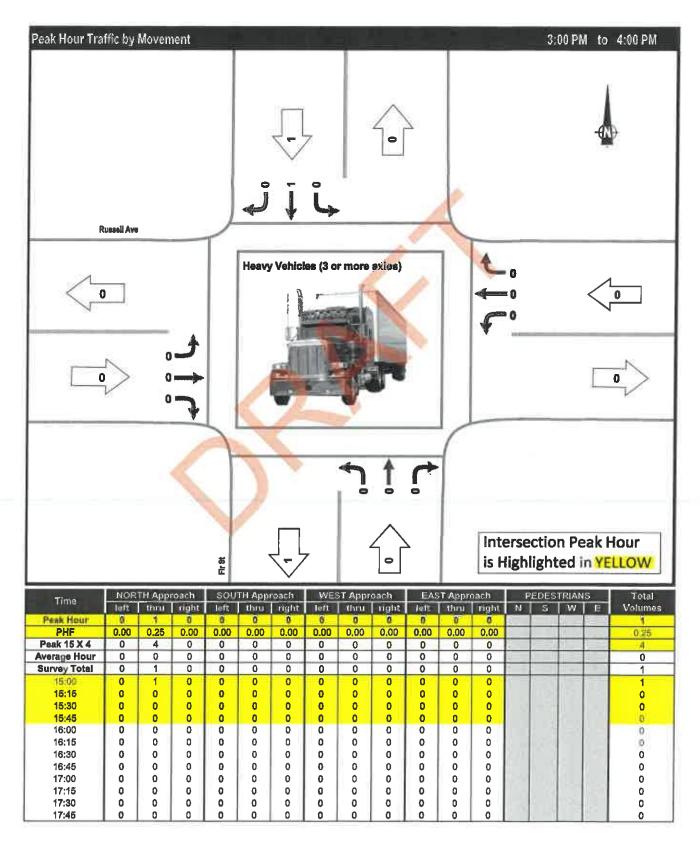




Municipality: White Rock Weather: Rain

Vehicle Class: Heavy Vehicles (3 or more axies)

Wednesday, April 03, 2019 Afternoon Peak Period



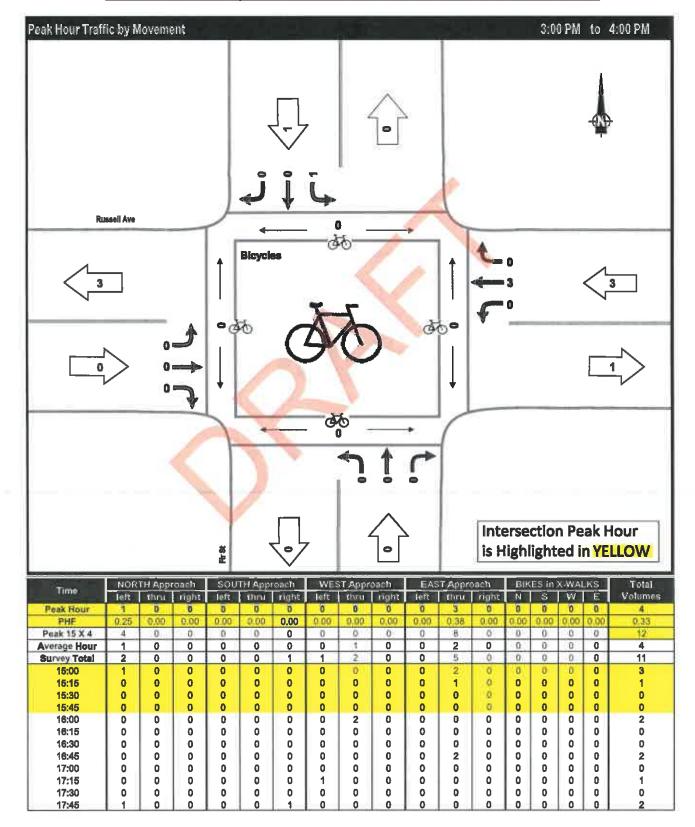


Afternoon Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain Vehicle Class: Bicycles

Note: Grosswalk bits volumes shown are cyclists who rode their bits across the crosswalk and are not included in the pedestrian volume totals





Fir St & Thrift Ave

Wednesday, April 03, 2019

Vehicle Classification Summary

Project: Municipality: Weather:

#7025: 1485 Fir Street Traffic Impact Study White Rock Rain

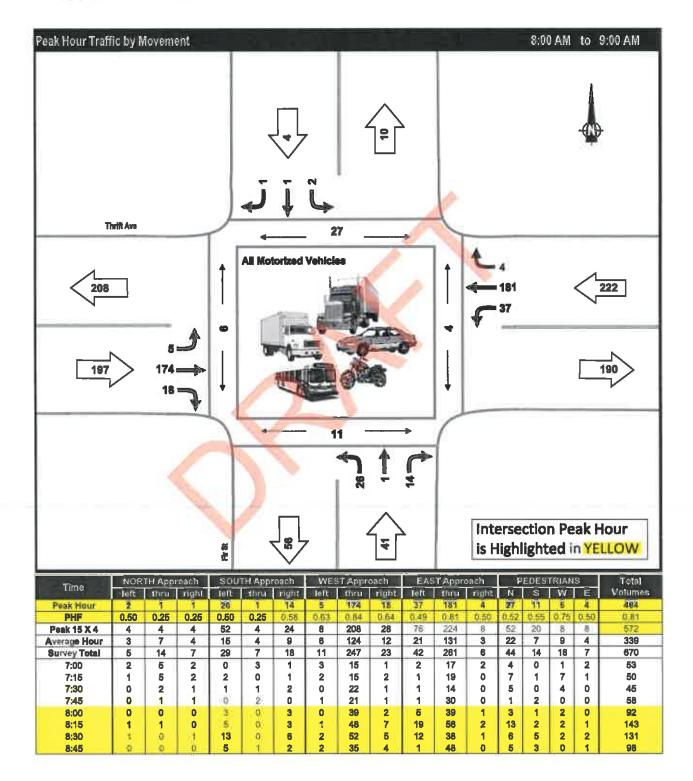
Time Period			Vehicle Classification				
	Entering Intersection	Passenger Cars	Heavy Vehicles (3 or more axles)		Total		
Morning (07:00 - 09:00)	Volume	667	3		670		
	%	99.6%	0.4%		100.0%		
Midday (11:00 - 13:00)	Volume	874	2		876		
	%	99.8%	0.2%		100.0%		
Afternoon	Volume	1,493	5		1,498		
(15:00 - 18:00)	%	99.7%	0.3%		100.0%		
Total	Volume	3,034	10		3,044		
(7 Hours)	%	99.7%	0.3%		100,0%		



Municipality: White Rock Weather: Rain

Vehicle Class: All Motorized Vehicles

Morning Peak Period

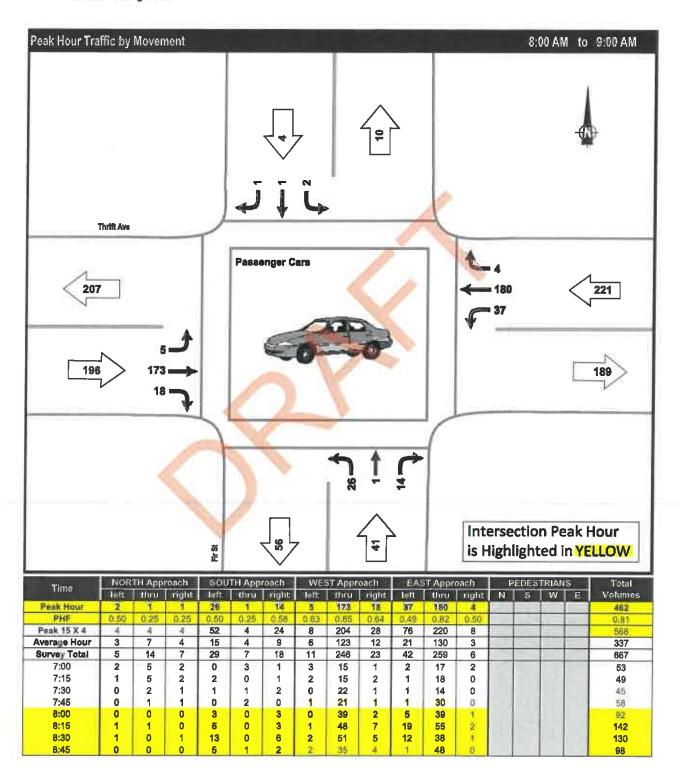




Morning Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study Municipality: White Rock

Weather: Rain Vehicle Class: Passenger Cars

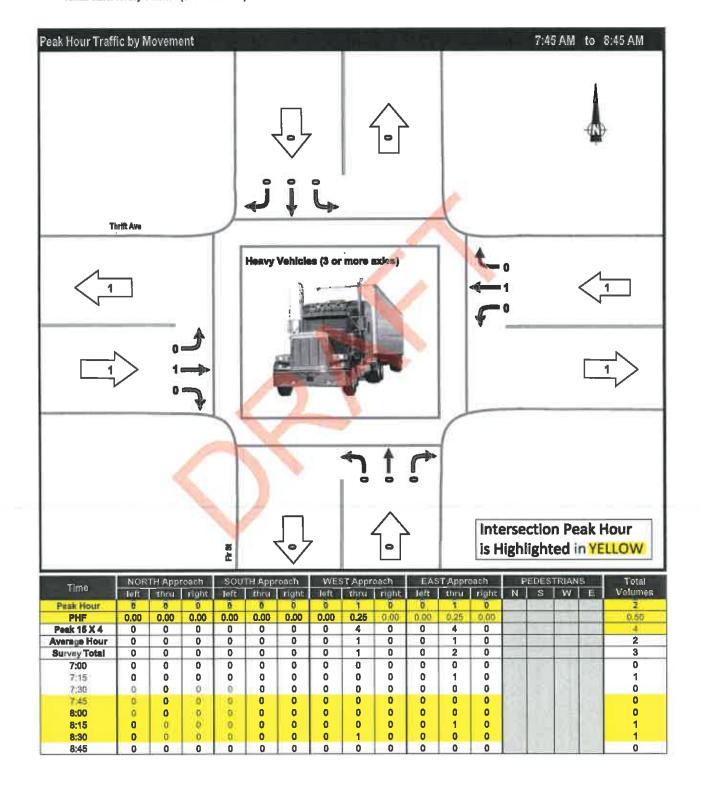




Municipality: White Rock Weather: Rain

Vehicle Class: Heavy Vehicles (3 or more axies)

Morning Peak Period



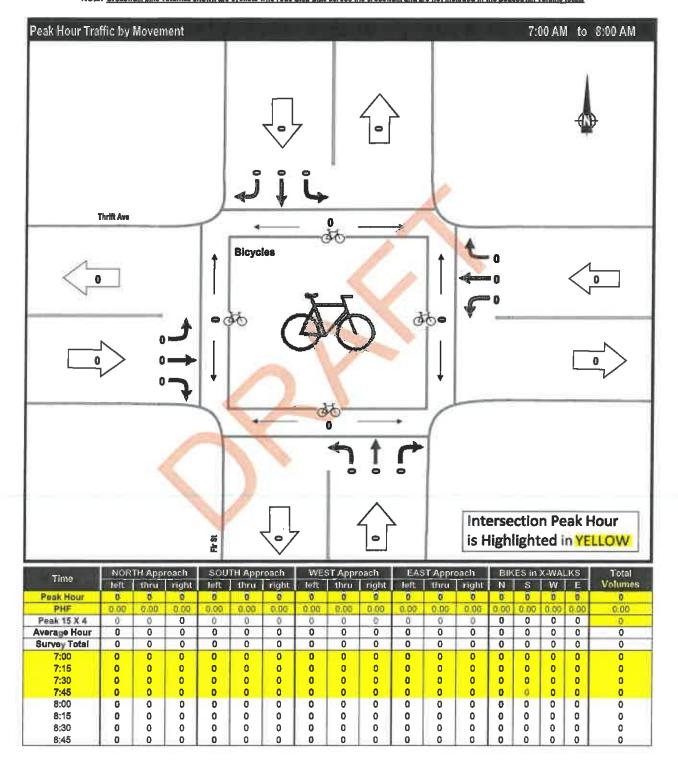


Municipality: White Rock Weather: Rain

Vehicle Class: Bicycles

Note: Crosswelk bike volumes shown are cyclists who rode their bike across the crosswelk and are not included in the pedestrian volume totals.

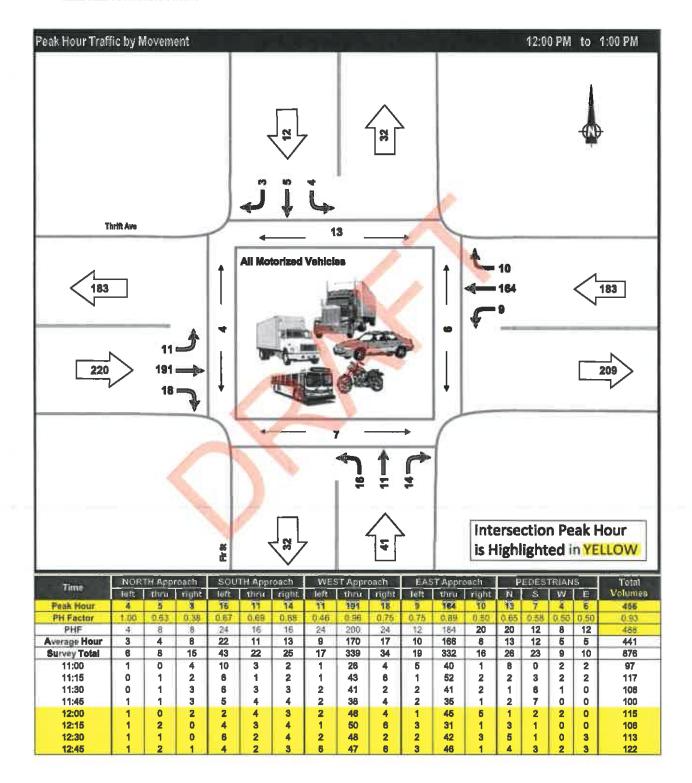
Morning Peak Period





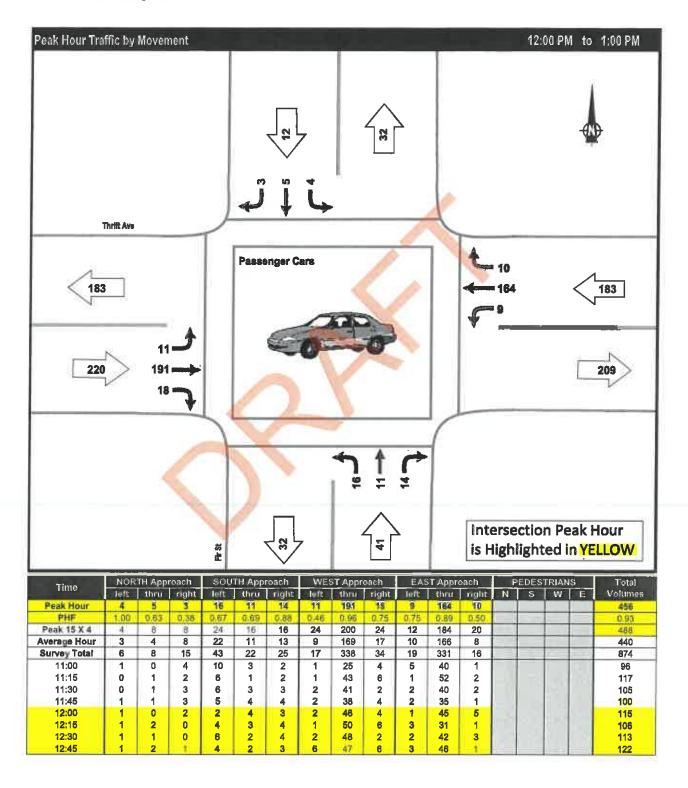
Municipality: White Rock Weather: Rain

Vehicle Clase: All Motorized Vehicles





Municipality: White Rock Weather: Rain Vehicle Class: Passenger Cars

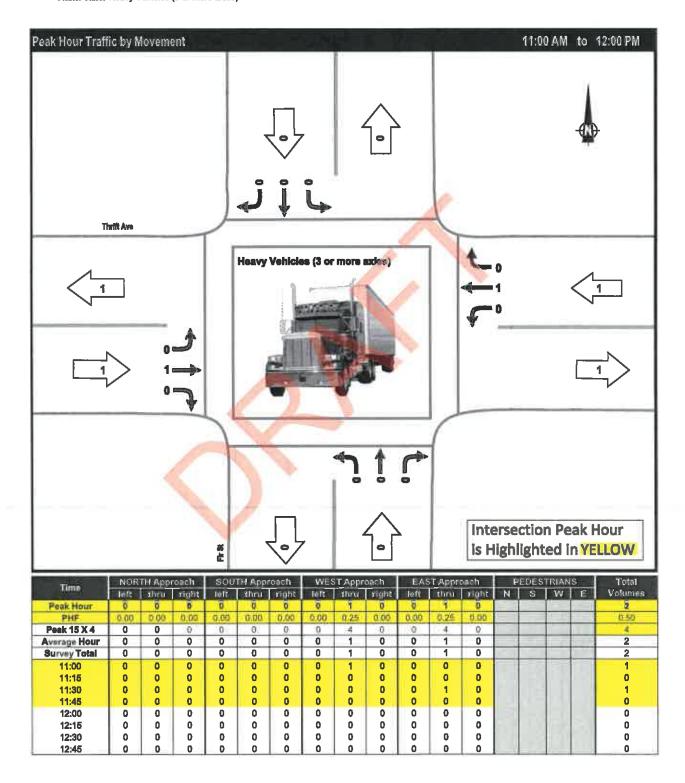






Municipality: White Rock Weather: Rain

Vehicle Class: Heavy Vehicles (3 or more axles)



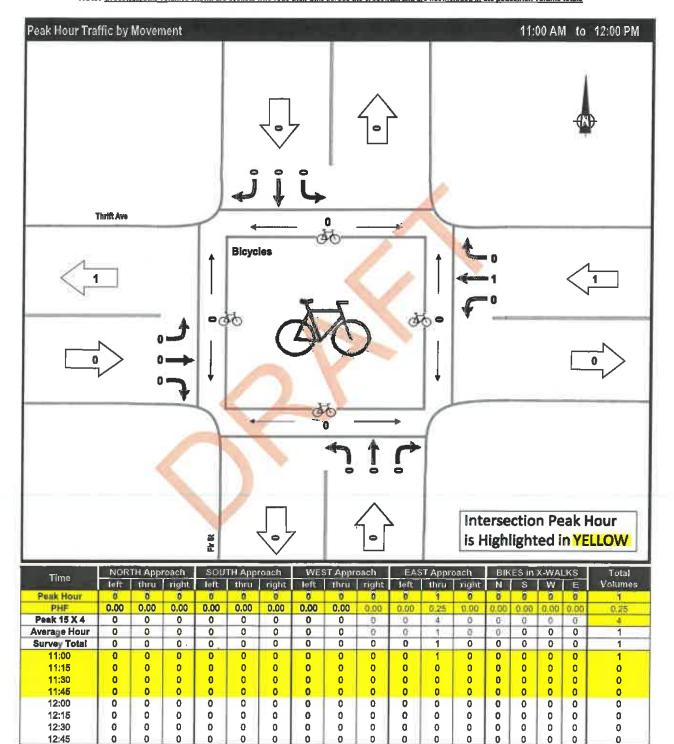
Midday Peak Period



Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain Vehicle Class: Bicycles

Note: Crosswalk blke volumes shown are cyclists who rode their blke across the crosswalk and are not included in the pedestrian volume totals

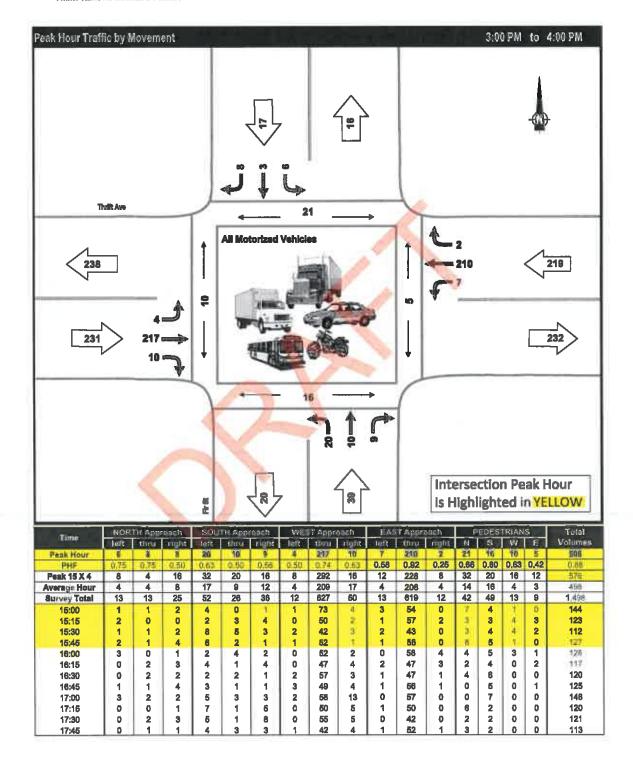






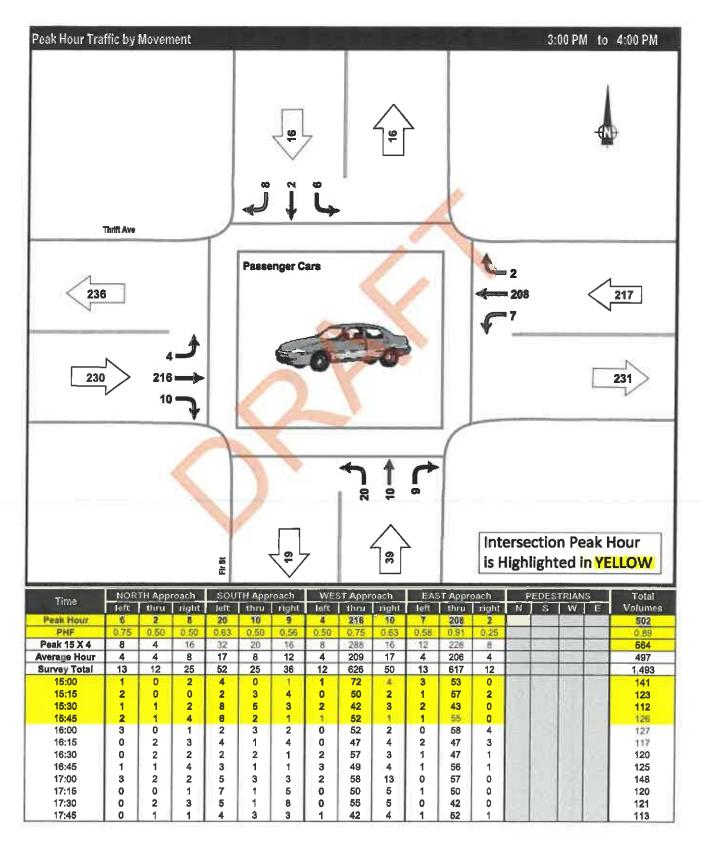
Project: #7025: 1485 Fir Street Traffic Impact Study Municipality: White Rock Weather: Rain

Vehicle Class: All Motorized Vehicles





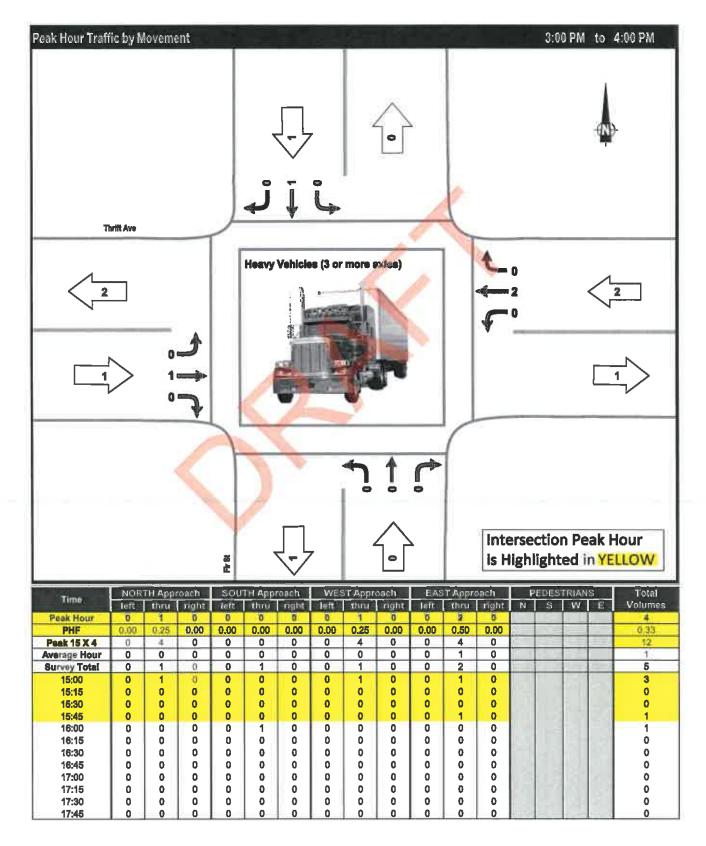
Municipality: White Rock Weather: Rain Vehicle Class: Passenger Cars





Municipality: White Rock Weather: Rain

Vehicle Class: Heavy Vehicles (3 or more axies)



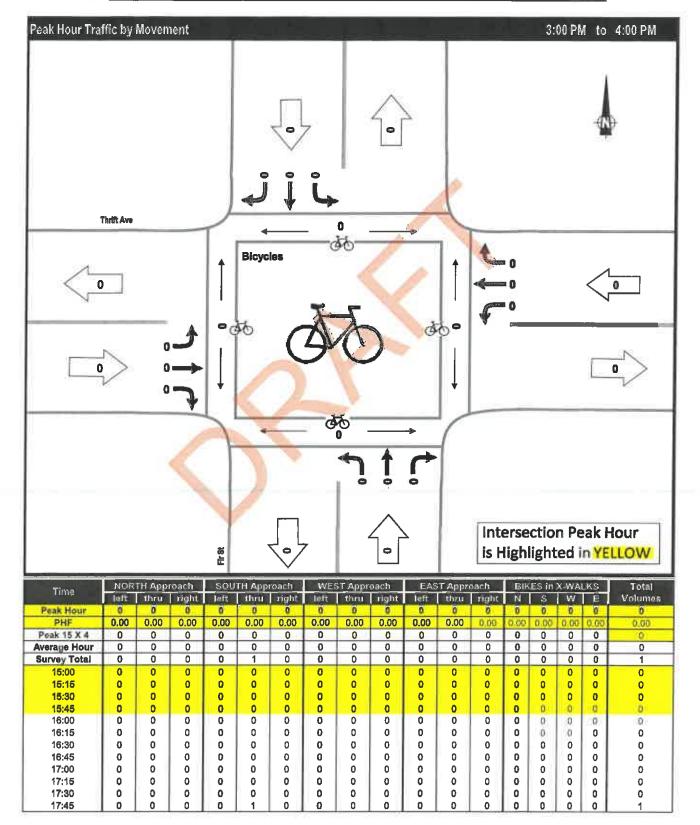


Afternoon Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain Vehicle Class: Bicycles

Note: Crosswalk bike volumes shown are cyclists who rode their bike across the crosswalk and are not included in the pedestrian volume totals





George Lane & Russell Ave

Wednesday, April 03, 2019

Vehicle Classification Summary

Project: Municipality: Weather:

#7025: 1485 Fir Street Traffic Impact Study White Rock

ather:	Rain		
		Vehicle Classification	

Time Period	Entering Intersection				
		Passenger Cers	Heavy Vehicles (3 or more axies)		Total
Morning (07:00 - 09:00)	Volume	284	0		284
	%	100,0%	0.0%		100.0%
Midday (11:00 - 13:00)	Volume	596	3		599
	%	99.5%	0.5%		100.0%
Afternoon (15:00 - 18:00)	Volume	854	0		854
	%	100.0%	0.0%		100.0%
Total (7 Hours)	Volume	1,734	3	- L	1,737
	%	99.8%	0.2%		100.0%



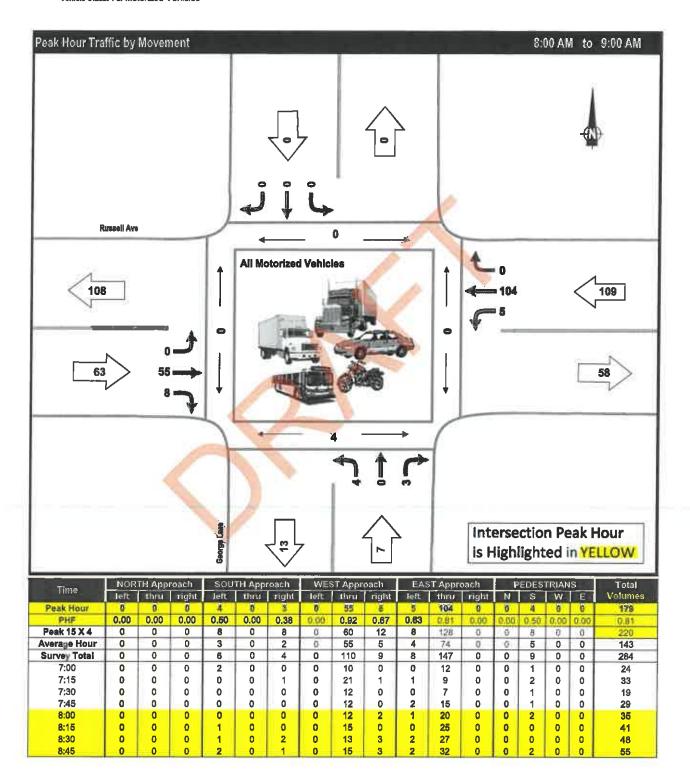
Wednesday, April 03, 2019

Morning Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study

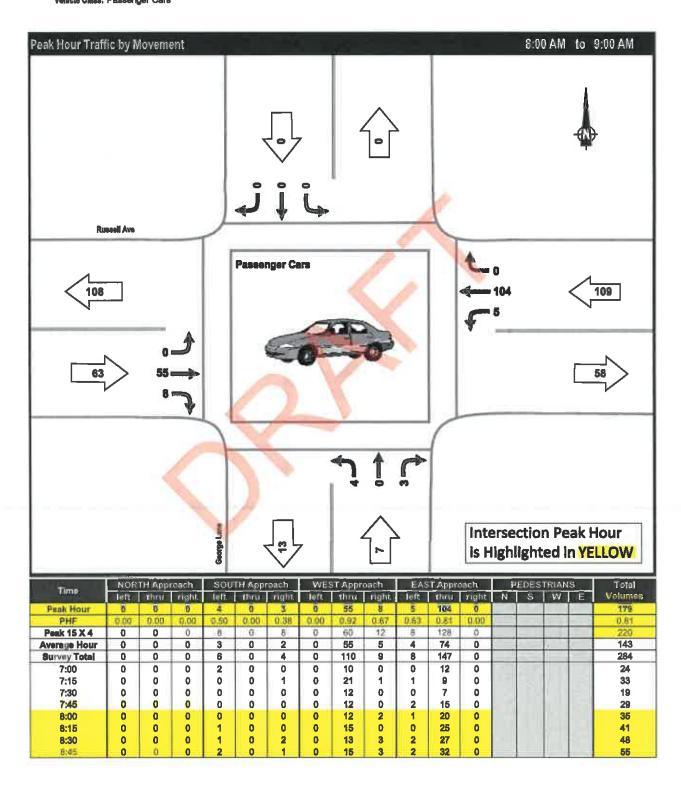
Municipality: White Rock Weather: Rain

Vehicle Class: All Motorized Vehicles





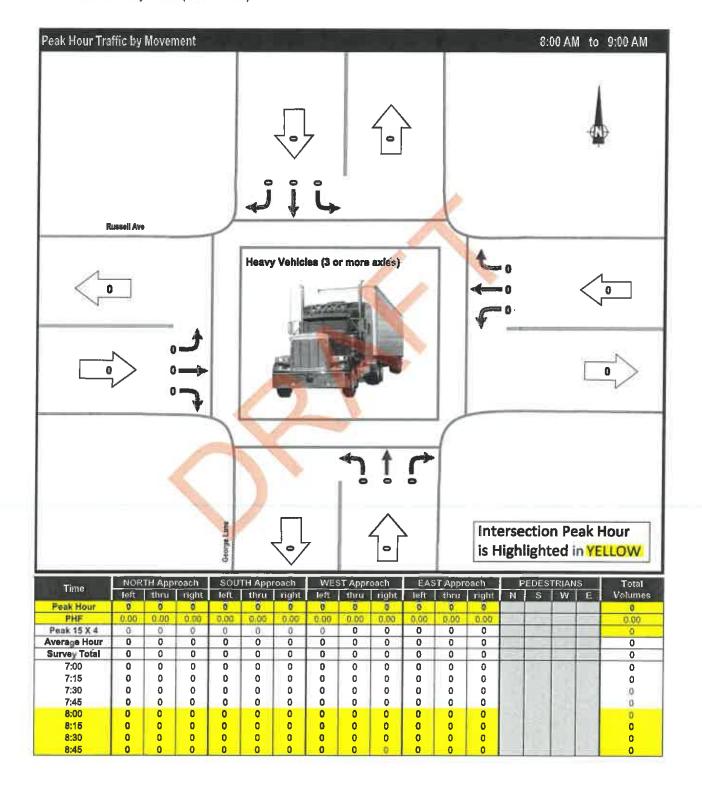
Municipality: White Rock Weather: Rain Vehicle Class: Passenger Cars





Municipality: White Rock Weather: Rain

Vehicle Class: Heavy Vehicles (3 or more axies)





CIS

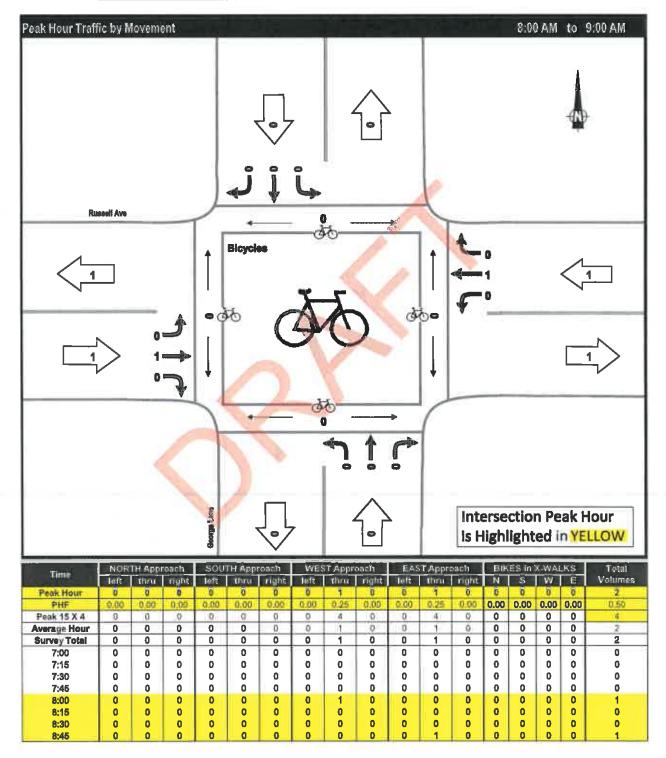
Wednesday, April 03, 2019

Morning Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain Vehicle Class: Bicycles

Note: Crosswalk bike volumes shown are cyclists who rode their bike across the crosswalk and are not included in the pedestrien volume totals





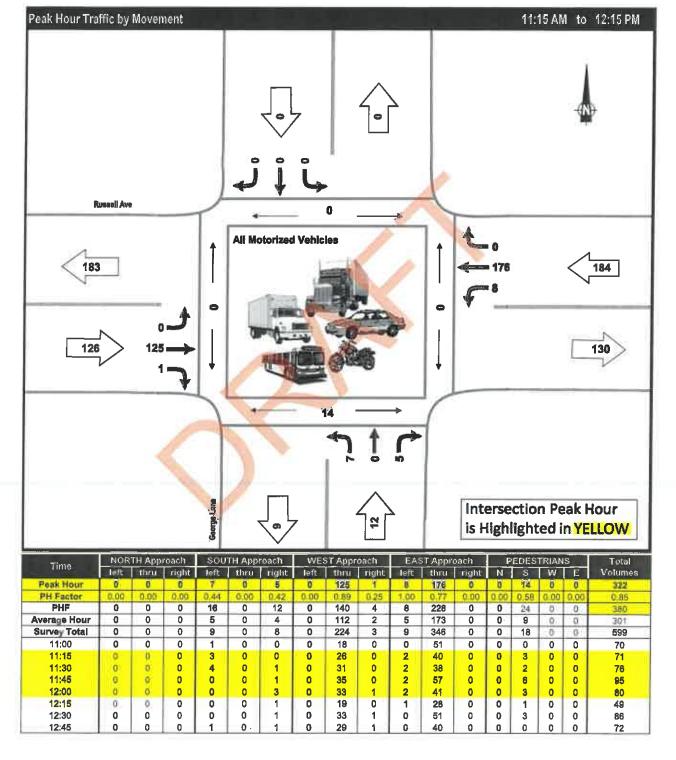
Wednesday, April 03, 2019

Project: #7025: 1485 Fir Street Traffic impact Study

Municipality: White Rock

Vehicle Class: All Motorized Vehicles

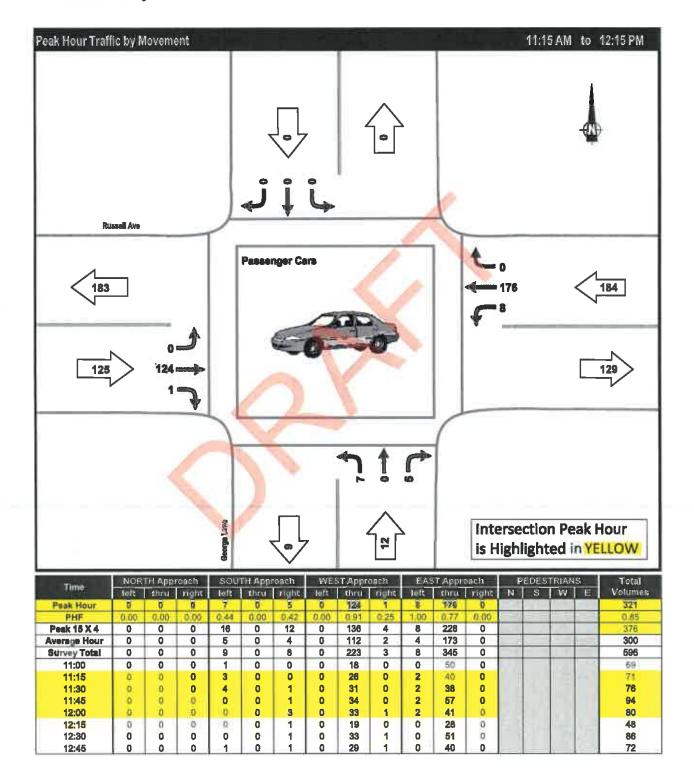
Midday Peak Period Weather: Rain



Wednesday, April 03, 2019 Midday Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain Vehicle Class: Passenger Cars





Wednesday, April 03, 2019

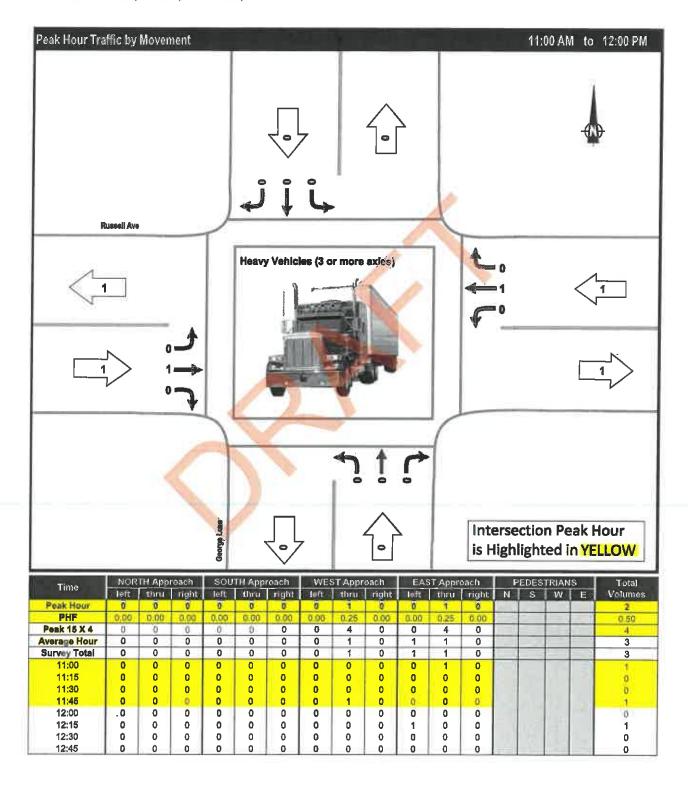
Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock

Weather: Rain

Vehicle Class: Heavy Vehicles (3 or more axies)

udy Midday Peak Period



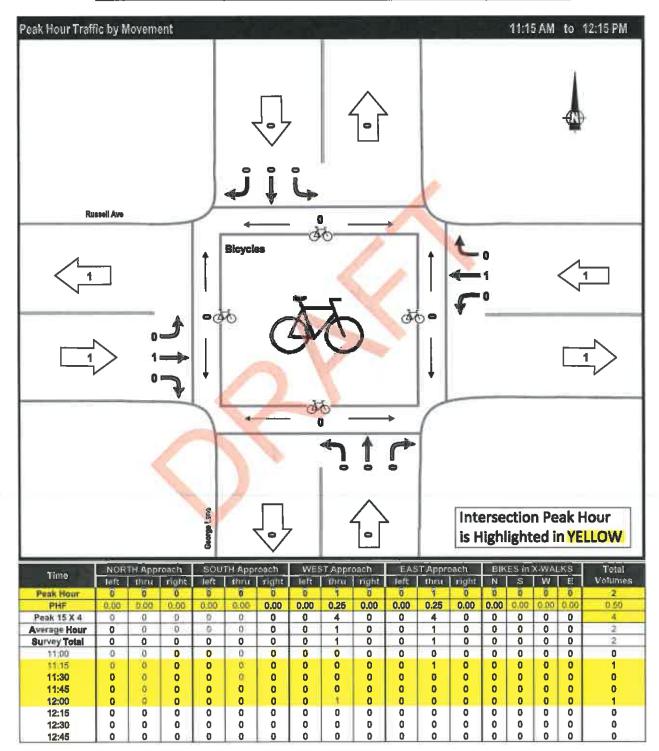


Wednesday, April 03, 2019 Midday Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain Vehicle Class: Bicycles

Note: Crosswalk alke volumes shown are cyclists who rode their bites across the crosswalk and are not included in the pedestrian volume totals



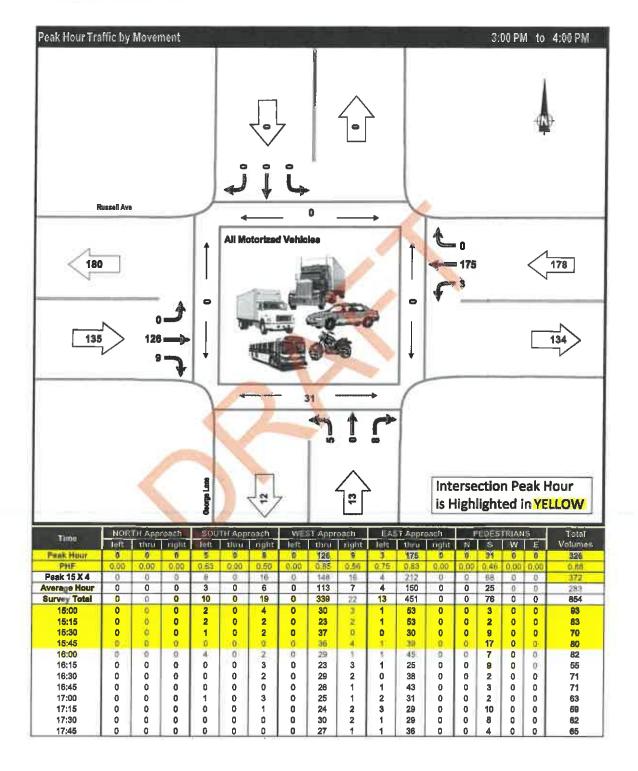


Wednesday, April 03, 2019

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain

Vehicle Class: All Motorized Vehicles

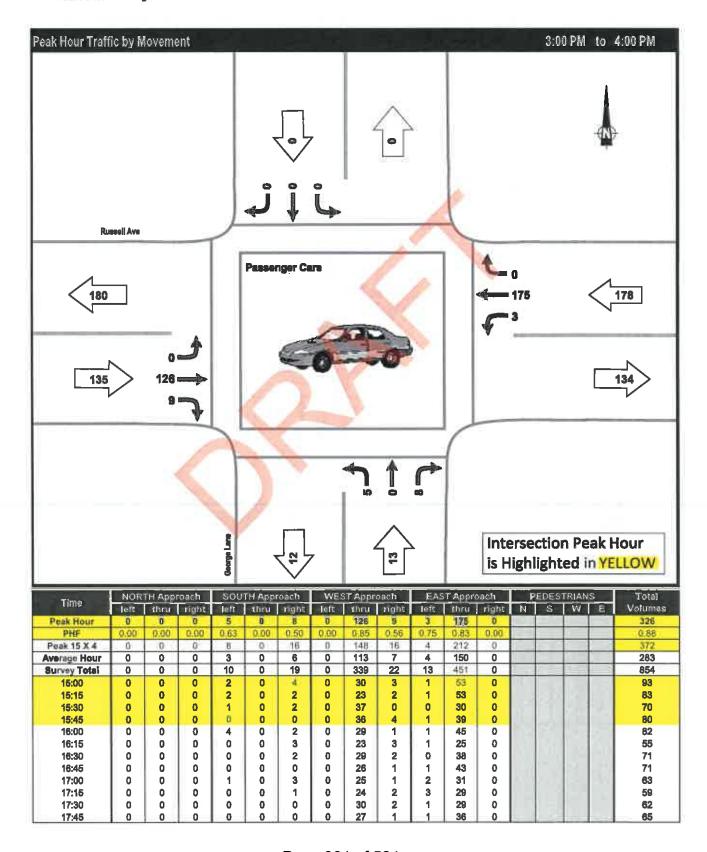




Afternoon Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain Vehicle Class: Passenger Cars



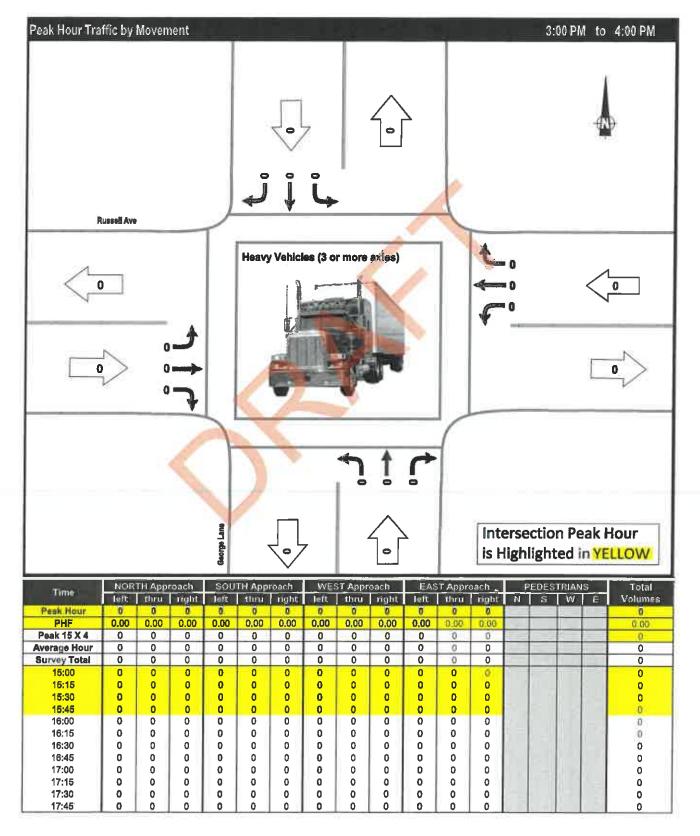
CIS

Wednesday, April 03, 2019

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain

Vehicle Class: Heavy Vehicles (3 or more axles)



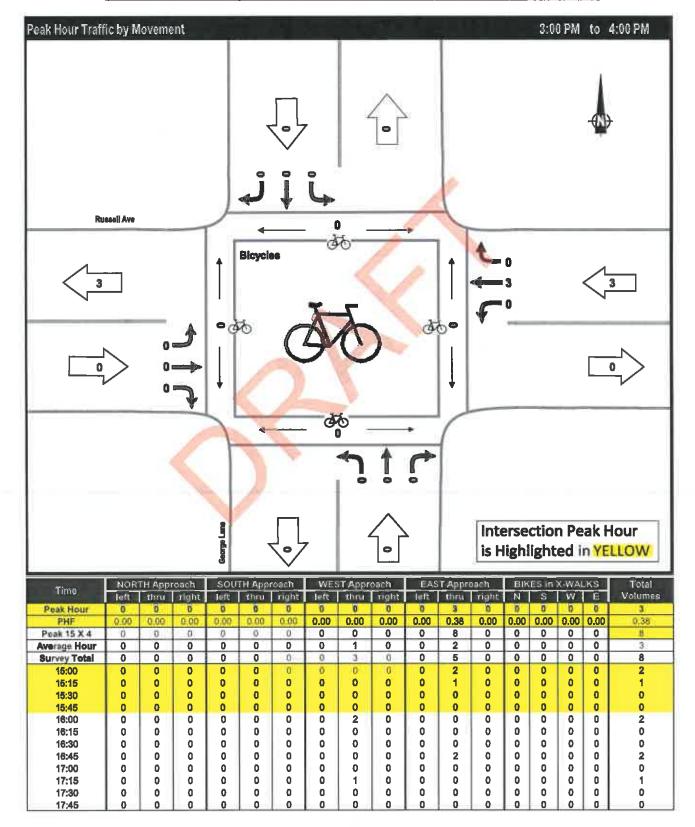


Afternoon Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain Vehicle Class: Bicycles

Note: <u>Crosswalk blke volumes shown are cyclists who rode their blke across the crosswalk and are not included in the pedestrian volume totals.</u>





George Lane & Thrift Ave

Wednesday, April 03, 2019

Vehicle Classification Summary

Project: Municipality: Weather:

#7025: 1485 Fir Street Traffic Impact Study White Rock

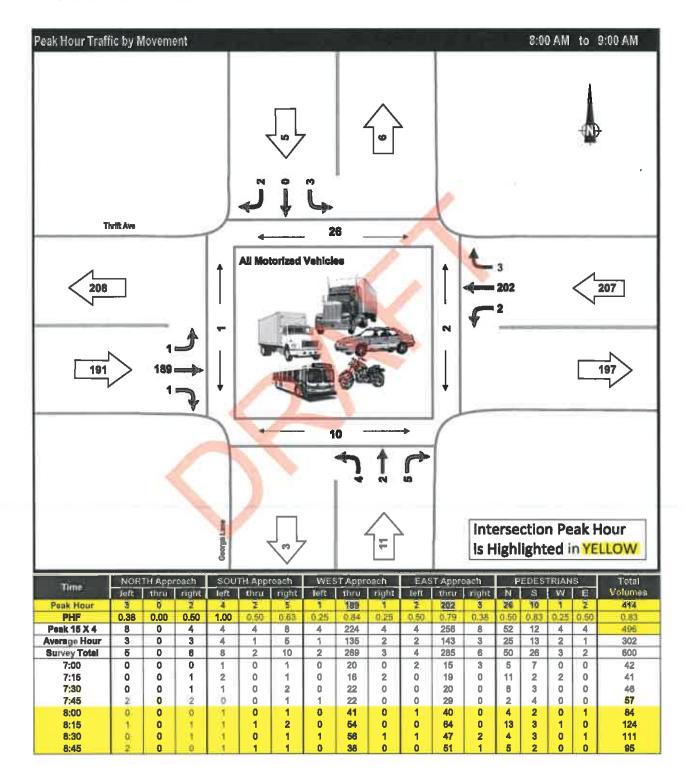
Rain

Time Period	Entering Intersection				
		Passenger Cars	Heavy Vehicles (3 or more axles)		Total
Morning (07:00 - 09:00)	Volume	597	3		800
	%	99.5%	0.5%		100.0%
Midday (11:00 - 13:00)	Volume	787	2		789
	%	99.7%	0.3%		100.0%
Afternoon (15:00 - 18:00)	Volume	1,424	2		1,426
	%	99.9%	0.1%		100.0%
Total (7 Hours)	Volume	2,808	7		2,815
	%	99.8%	0.2%		100,0%



Municipality: White Rock Weather: Rain

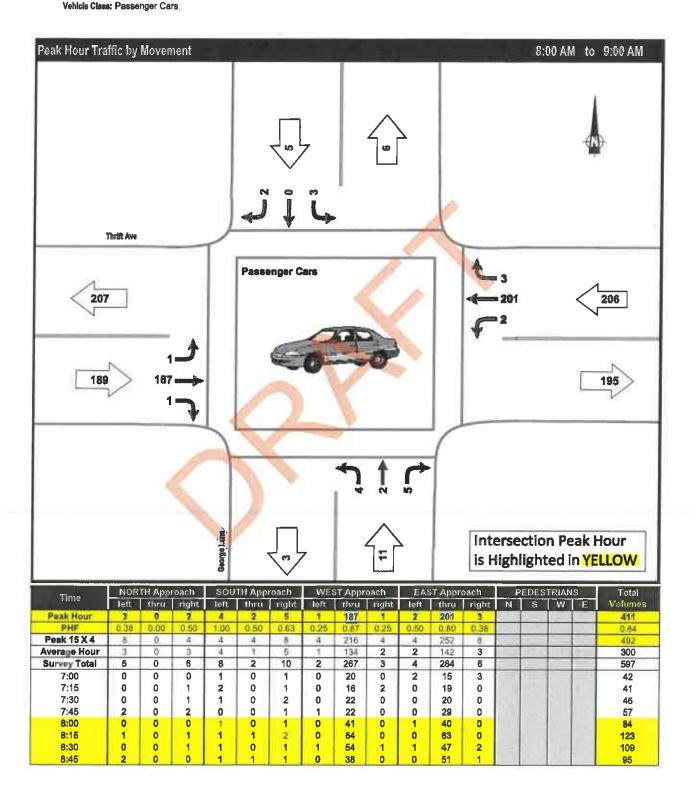
Vehicle Class: All Motorized Vehicles





Morning Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study Municipality: White Rock Weather: Rain



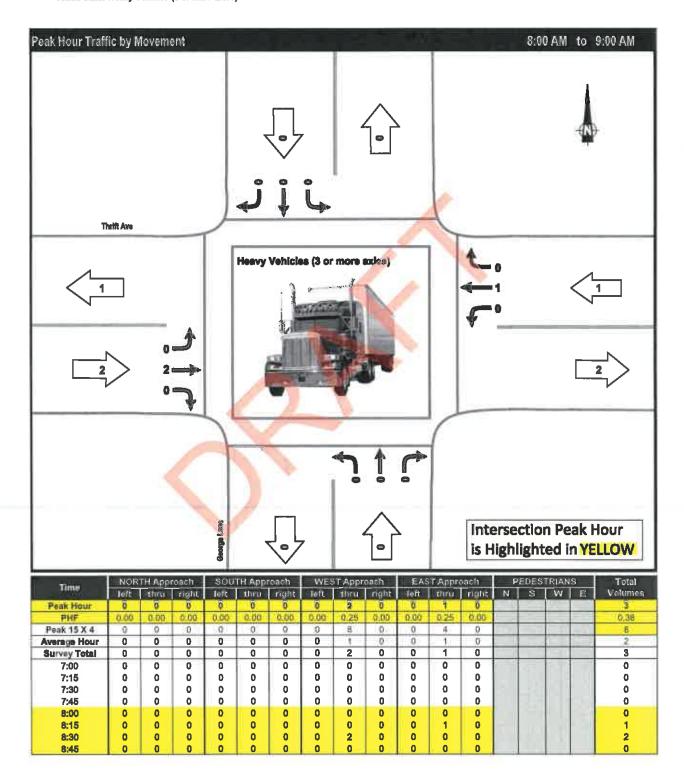


Morning Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain

Vehicle Clase: Heavy Vehicles (3 or more axies)



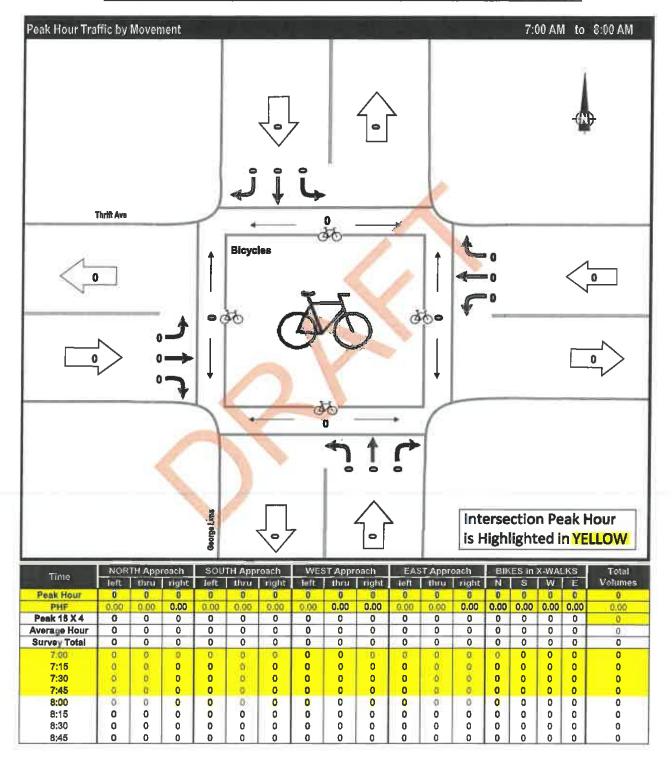


Morning Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain Vehicle Class: Bicycles

Note: Crosswalk bike volumes shown are cyclists who rode their bike across the crosswalk and are not included in the pedestrian volume totals

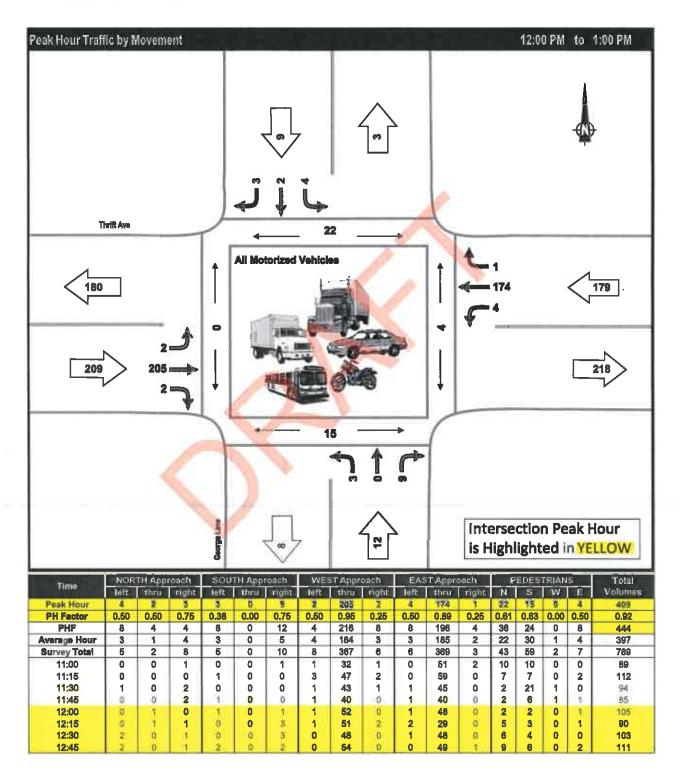




Municipality: White Rock Weather: Rain

Vehicle Class: All Motorized Vehicles

Midday Peak Period



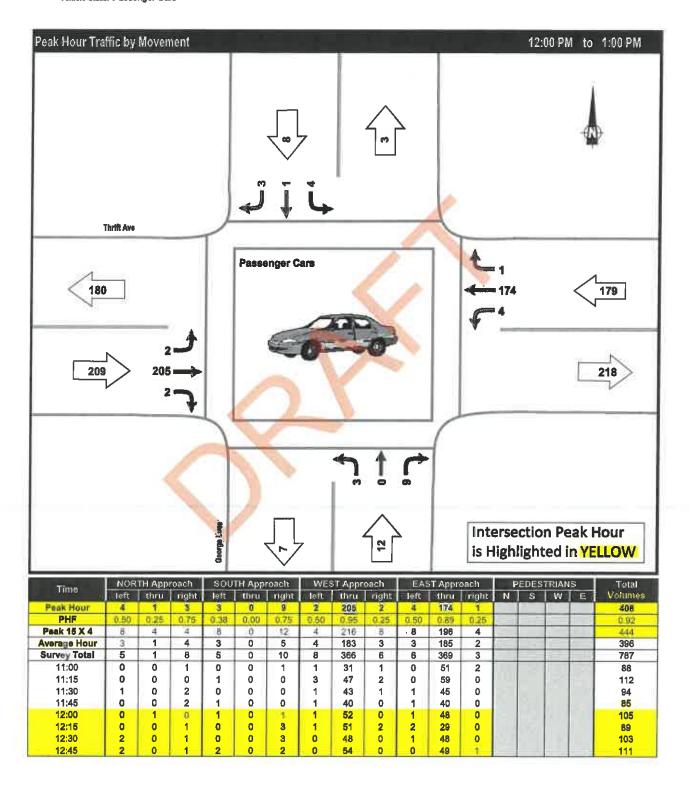


Wednesday, April 03, 2019

Project: #7025: 1485 Fir Street Traffic Impact Study Municipality: White Rock

Weather: Rain Vehicle Class: Passenger Cars

Midday Peak Period



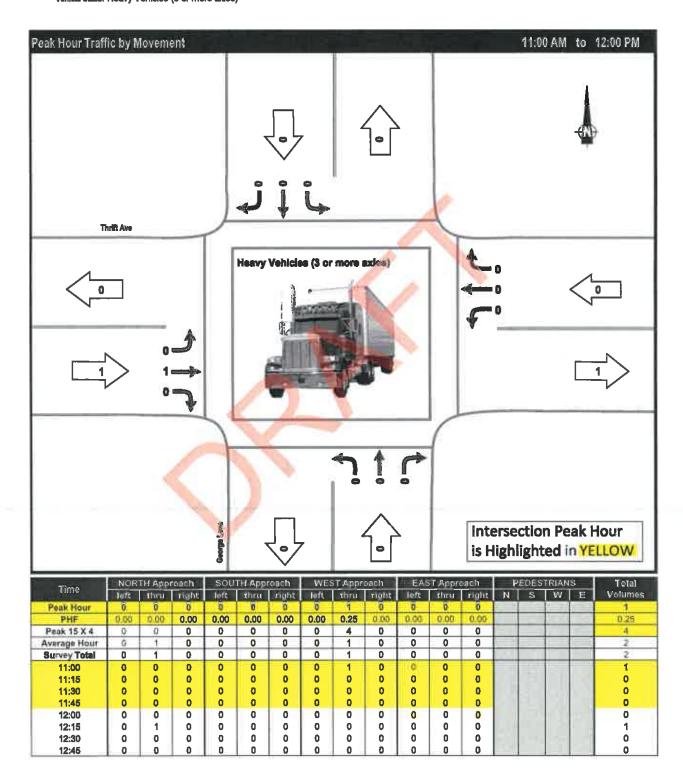


Midday Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain

Vehicle Class: Heavy Vehicles (3 or more axies)





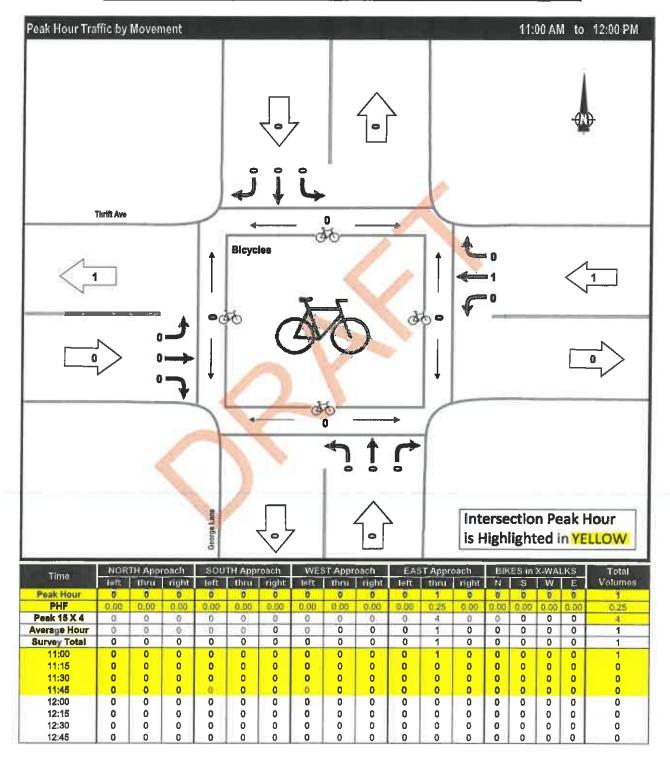
CIS

Wednesday, April 03, 2019 Midday Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain Vehicle Class: Bicycles

Note: Crosswalk bike volumes shown are cyclists who rode their bike across the crosswalk and are not included in the pedestrian volume totals

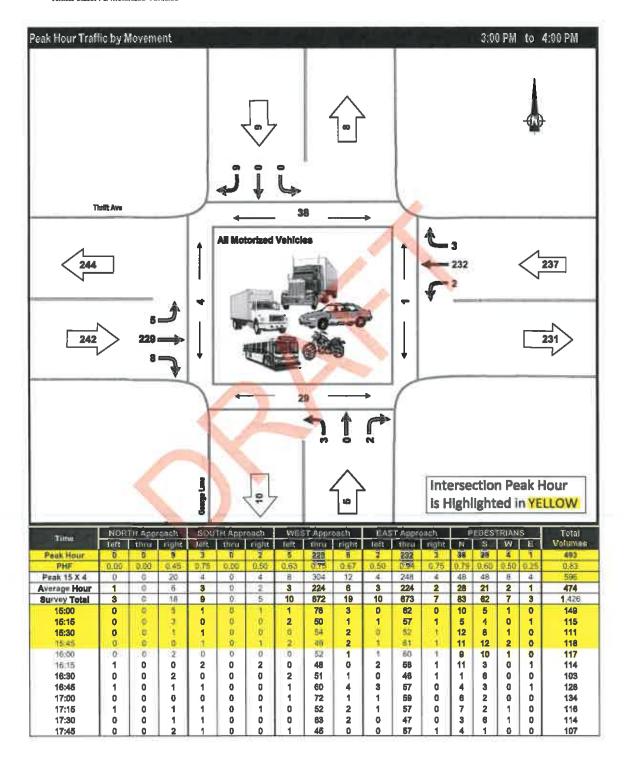




Afternoon Peak Period

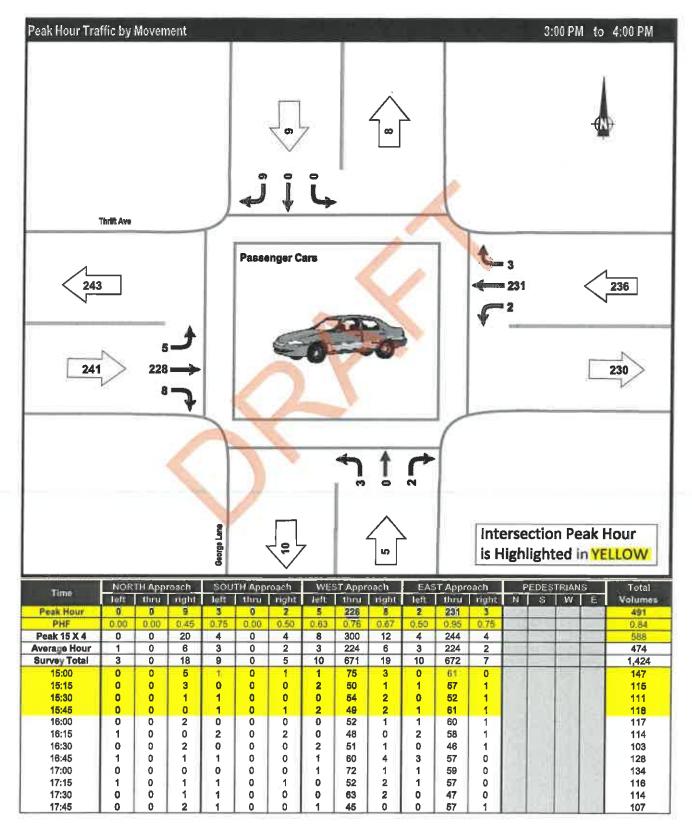
Project: #7025: 1485 Fir Street Traffic Impact Study Municipality: White Rock Weather: Rain

Vehicle Class: All Motorized Vehicles





Municipality: White Rock Weather: Rain Vehicle Class: Passenger Cars



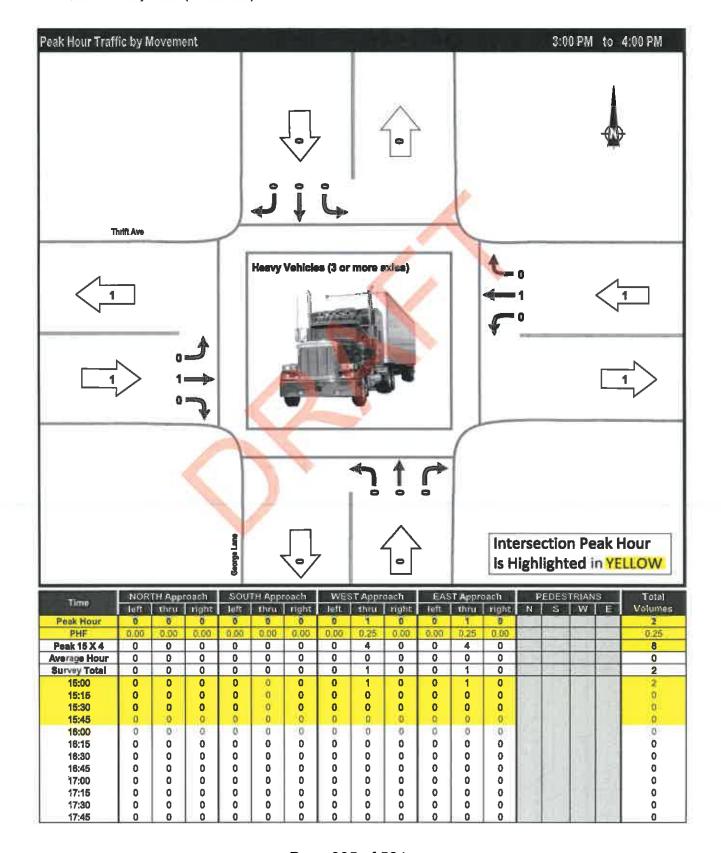


Afternoon Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain

Vehicle Class: Heavy Vehicles (3 or more extes)



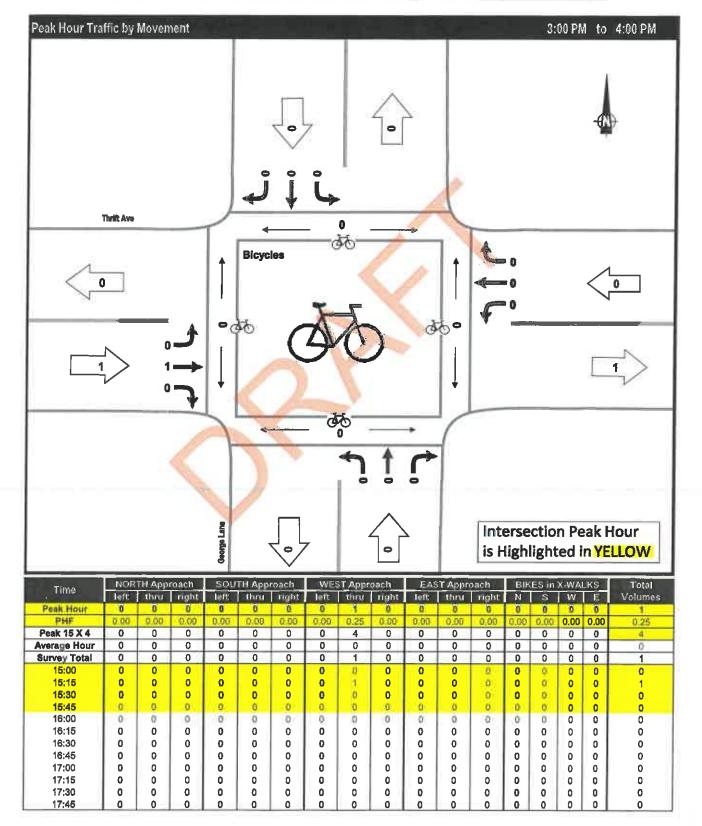


Afternoon Peak Period

Project. #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain Vehicle Class: Bicycles

Note: Crosswalk bike volumes shown are cyclists who rode their bite across the crosswalk and are not included in the pedestrian volume totals





George St & Russell Ave

Wednesday, April 03, 2019

Vehicle Classification Summary

Project: Municipality

#7025: 1485 Fir Street Traffic Impact Study
White Rock

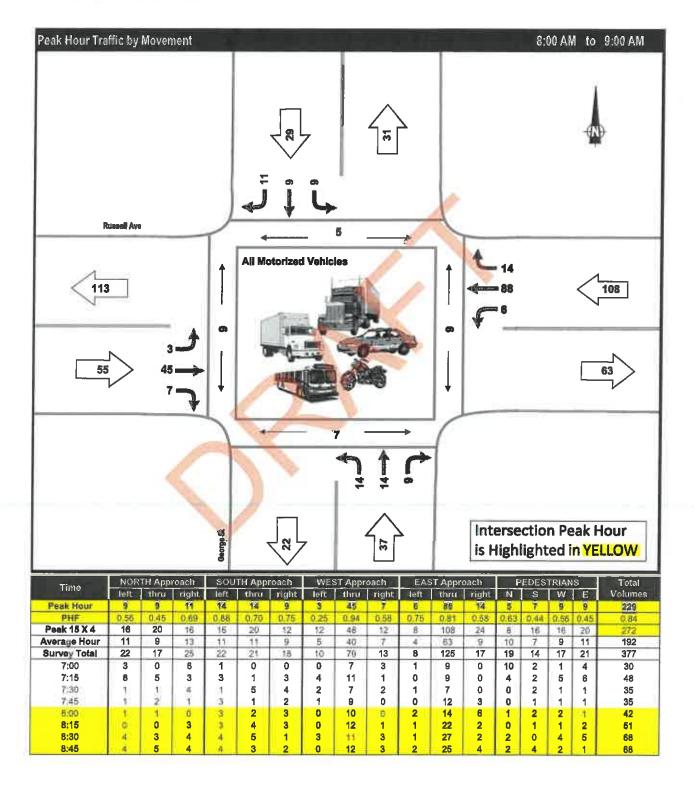
municipality:	AAUITO LCOCK
Weather:	Rain

Time Period	Entering Intersection	Vehicle Classification				
		Passenger Care	Heavy Vehicles (3 or more axles)			Total
Morning (07:00 - 09:00)	Volume	377	0			377
	%	100.0%	0.0%			100.0%
Midday (11:00 - 13:00)	Volume	961	1			982
	%	99.9%	0.1%			100.0%
Afternoon (15:00 - 18:00)	Volume	1,248	0			1 248
	%	100.0%	0.0%			100.0%
Total (7 Hours)	Volume	2,606	1			2,607
	%	100.0%	0.0%	-4		100.0%



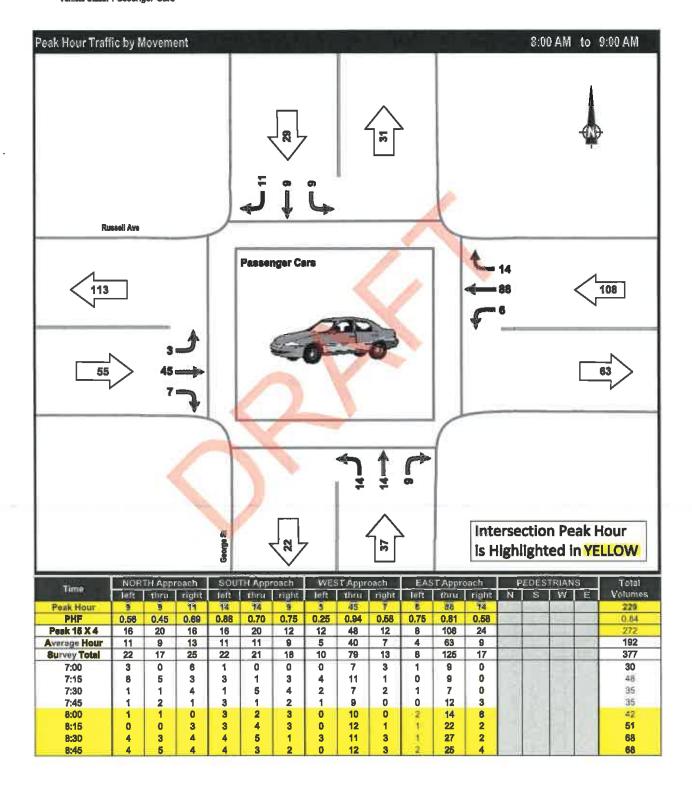
Municipality: White Rock Weather: Rain

Vehicle Class: All Motorized Vehicles





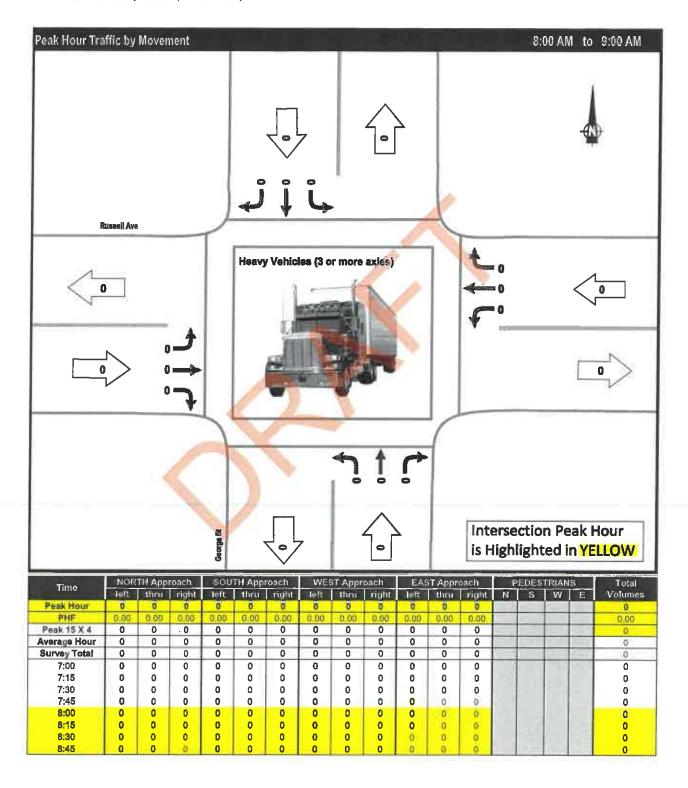
Municipality: White Rock Weather: Rain Vehicle Class: Passenger Cars





Municipality: White Rock Weather: Rain

Vehicle Class: Heavy Vehicles (3 or more axies)



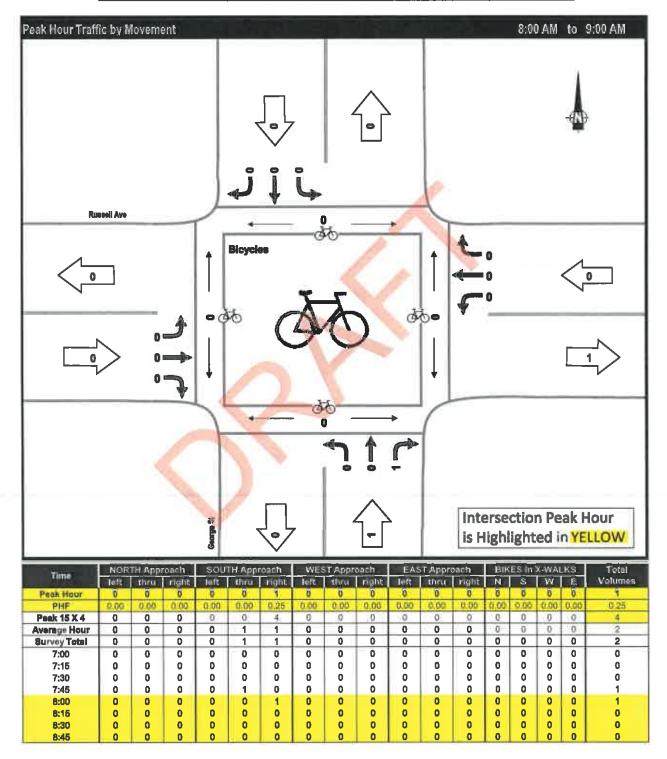


Morning Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain Vehicle Class: Bicycles

Note: Crosswalk bits volumes shown are cyclists who rode their bits scross the crosswalk and are not included in the pedestrian volume totals

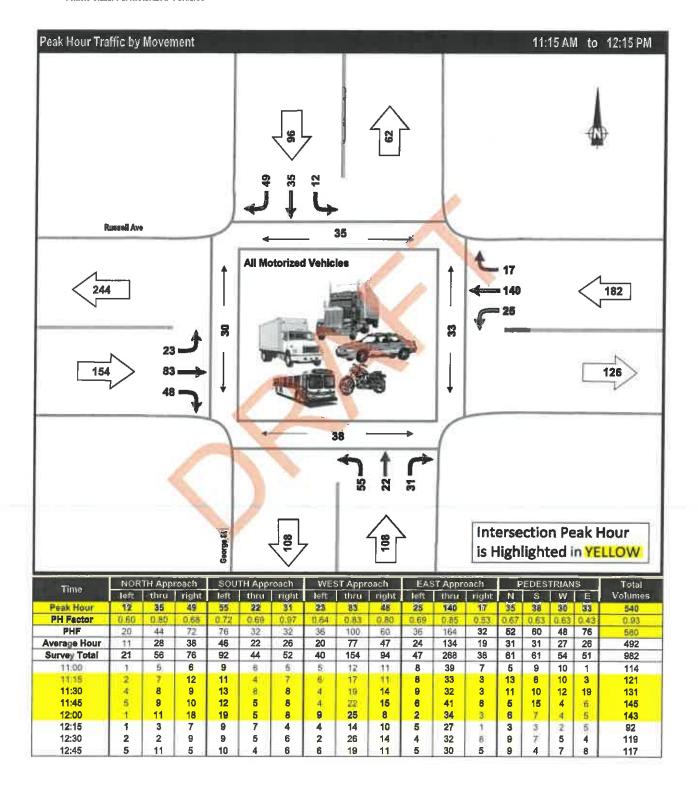




Midday Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study Municipality: White Rock Weather, Rain

Vehicle Class: All Motorized Vehicles



CLS

11:30

11:45

12:00

12:15

12:30

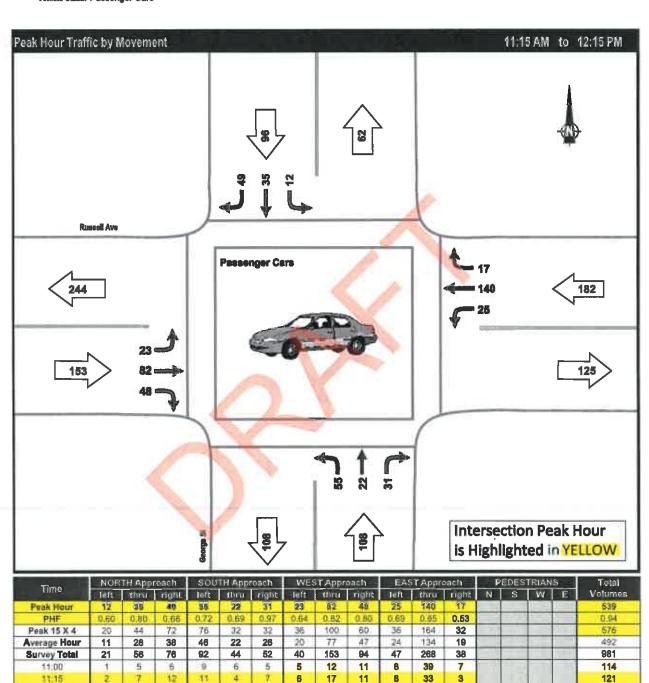
12:45

B

Wednesday, April 03, 2019 Midday Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain Vehicle Class: Passenger Cars





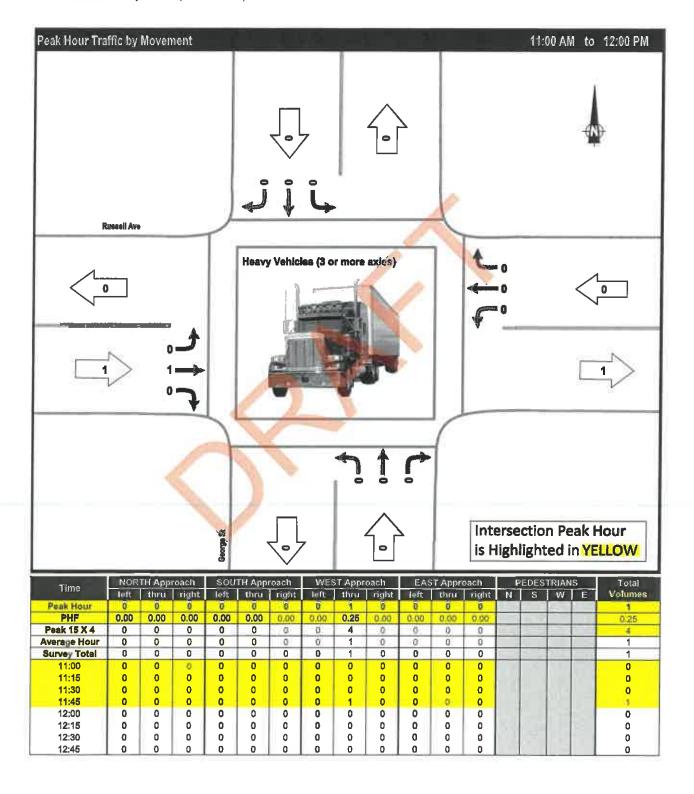
Wednesday, April 03, 2019

Project: #7025: 1485 Fir Street Traffic Impact Study Municipality: White Rock

Weather: Rain

Vehicle Class: Heavy Vehicles (3 or more axies)

Midday Peak Period





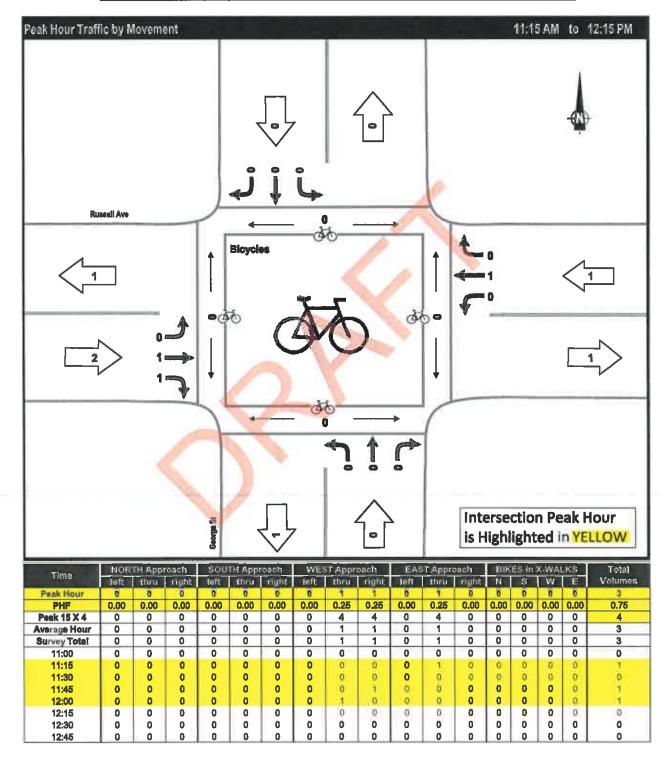
CLS

Midday Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain Vehicle Class: Bloycles

Note: Crosswalk biks volumes shown are cyclists who rode their bike across the crosswalk and are not included in the padestrian volume totals.

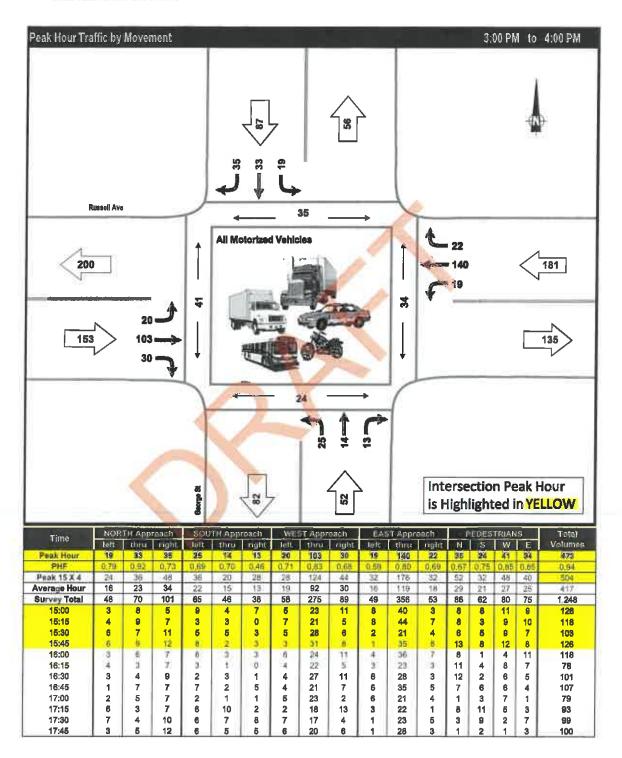




Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain

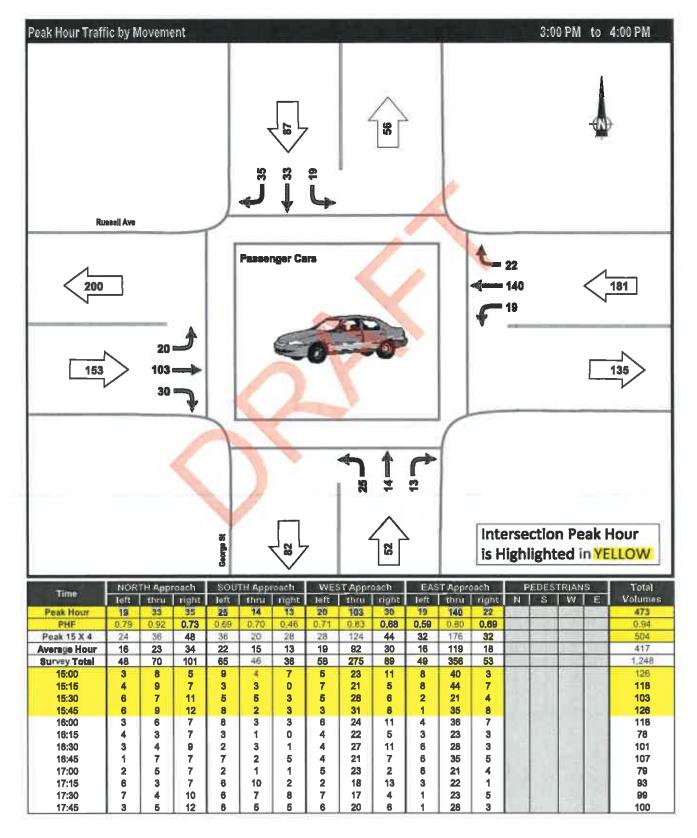
Vehicle Class: All Motorized Vehicles





Municipality: White Rock Weather: Rain Vehicle Class: Passenger Cars

Afternoon Peak Period

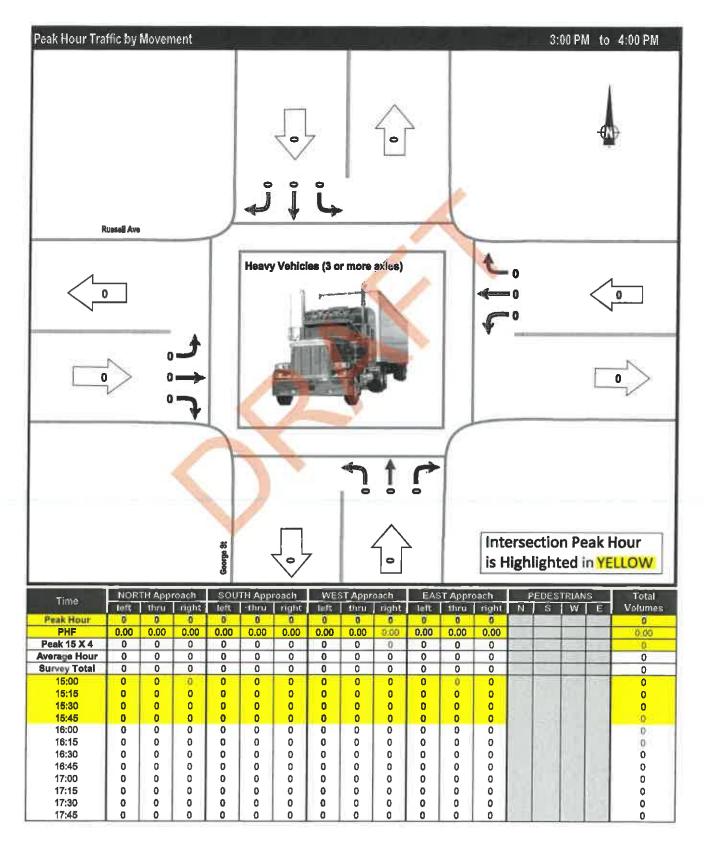




Project #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain

Vehicle Class: Heavy Vehicles (3 or more axies)

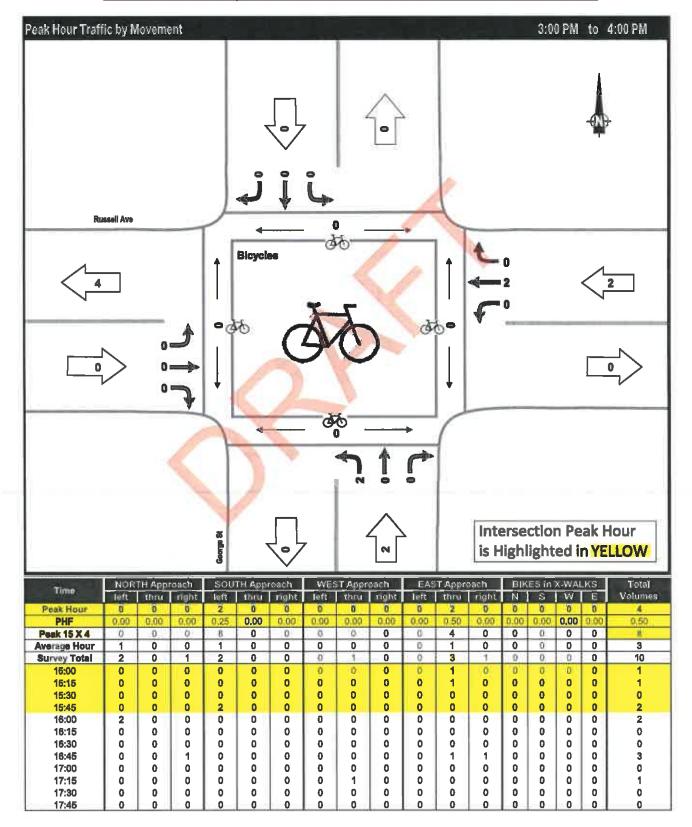




Project: #7025: 1485 Ftr Street Traffic Impact Study

Municipality: White Rock Weather: Rain Vehicle Class: Bicycles

Note: Creaswalk bike volumes shown are cyclists who rode their bike across the crosswalk and are not included in the pedestrian volume totals





George St & Thrift Ave

Wednesday, April 03, 2019

Vehicle Classification Summary

Project: Municipality: Weather;

#7025: 1485 Fir Street Traffic Impact Study White Rock

Rain

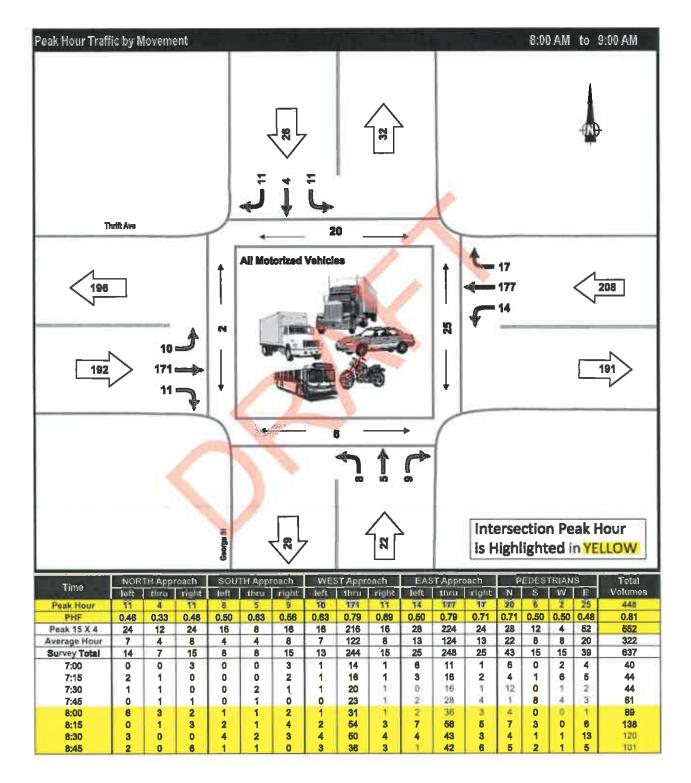
			Vehicle Cia	assification	
Time Period	Entering Intersection	Passenger Cars	Heavy Vehicles (3 or more axles)		Total
Moming	Volume	635	2		637
(07:00 - 09:00)	%	99.7%	0.3%		100,0%
Midday	Volume	963	4		967
(11:00 - 13:00)	%	99.6%	0.4%		100.0%
Afternoon	Volume	1,629	2		1,631
(15:00 - 18:00)	%	99.9%	0.1%		100.0%
Total	Volume	3,227	8	- 1 A	3,235
(7 Hours)	%	99.8%	0.2%	100	100.0%



Municipality: White Rock Weather: Rain

Vahicle Clase: All Motorized Vehicles

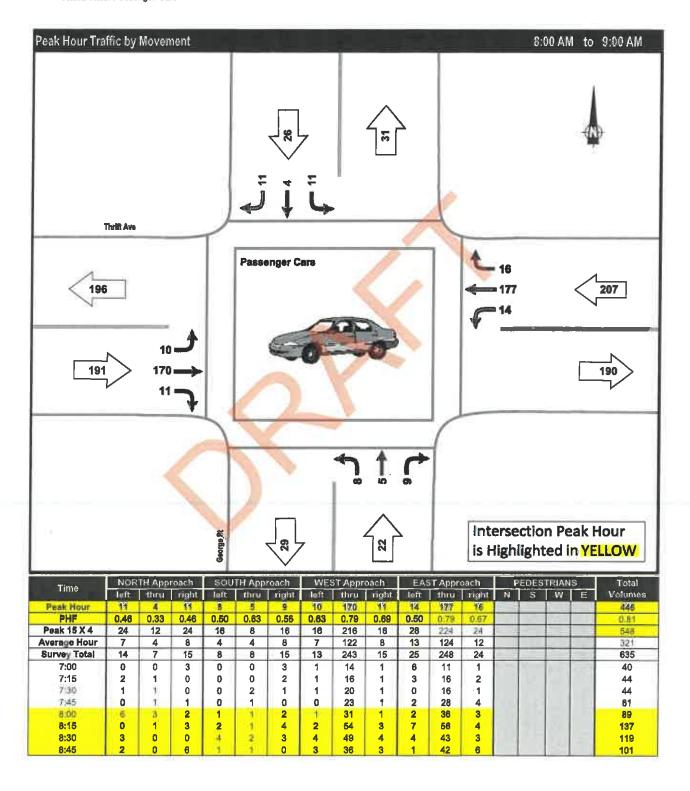
Morning Peak Period





Municipality: White Rock Weather: Rain Vehicle Class: Passenger Cars

Morning Peak Period

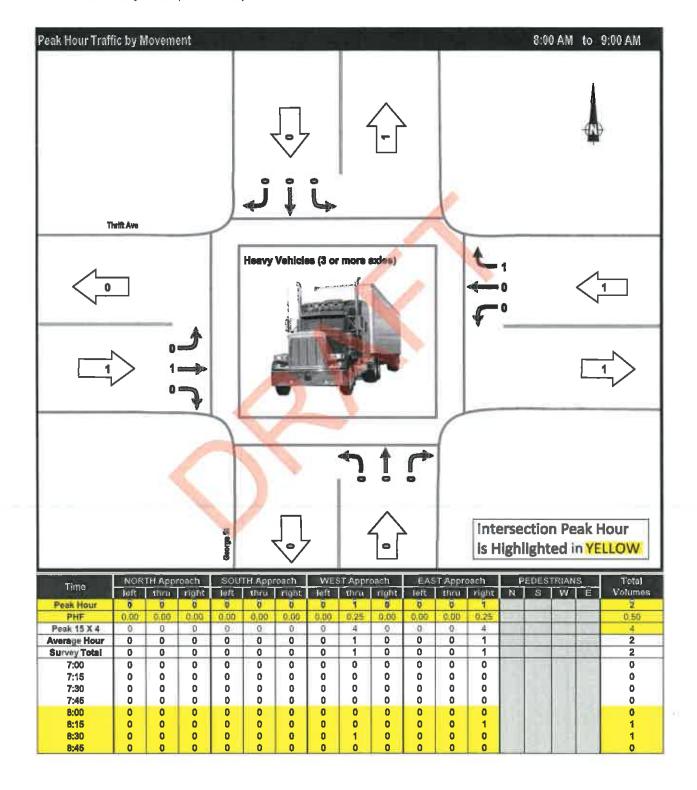




Municipality: White Rock Weather: Rain

Vehicle Class: Heavy Vehicles (3 or more axies)

Morning Peak Period



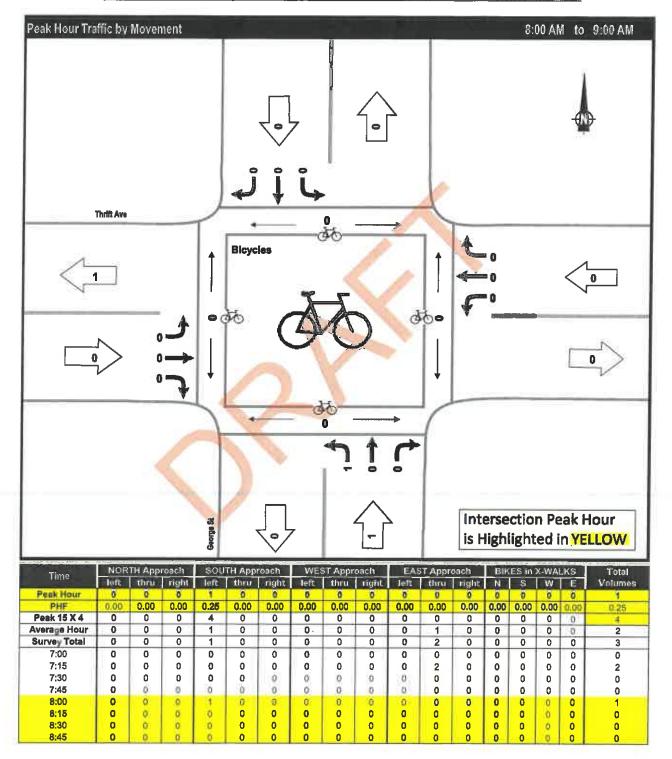


Morning Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain Vehicle Class: Bicycles

Note: Grosswalk bike volumes shown are cyclists who rode their bike across the crosswalk and are not included in the pedestrien volume totals



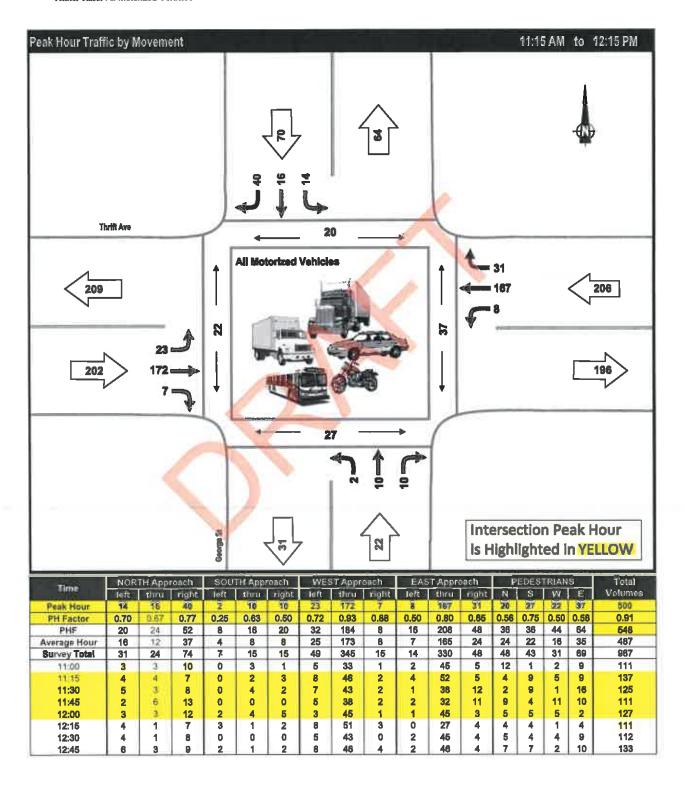


Midday Peak Period

Project: #7025: 1485 Ftr Street Traffic Impact Study

Municipality: White Rock Weather: Rain

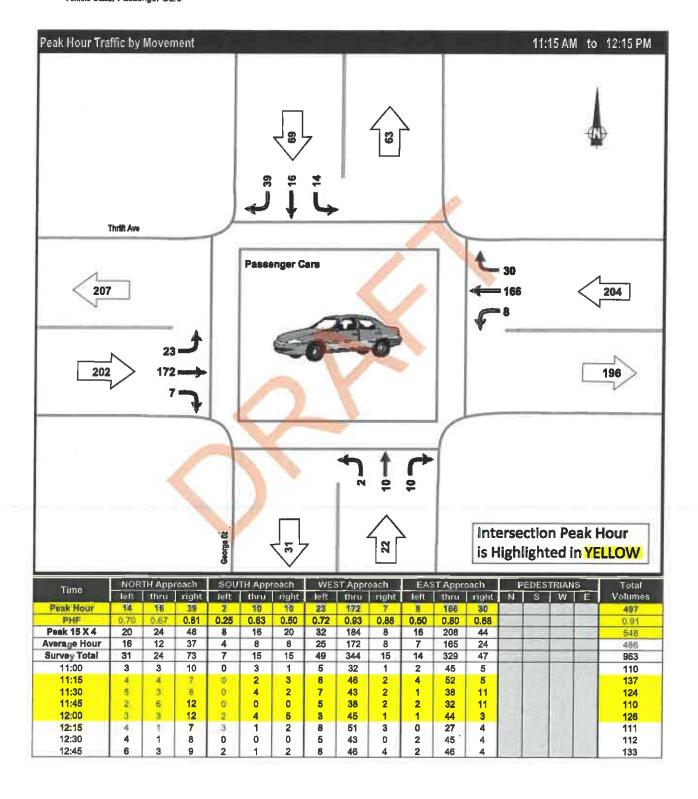
Vehicle Class: All Motorized Vehicles





Municipality: White Rock Weather: Rain Vehicle Class: Passenger Cars

Midday Peak Period



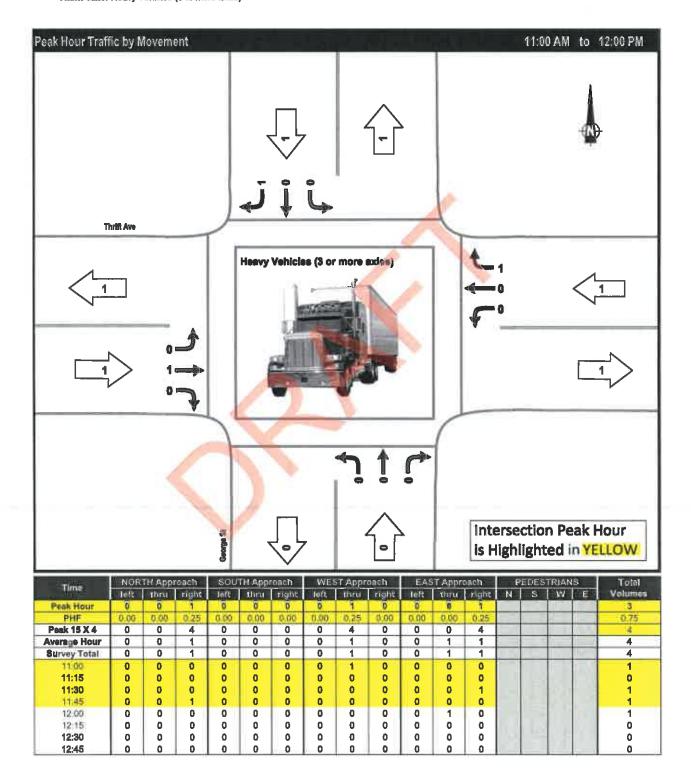


Midday Peak Period

Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain

Vehicle Class: Heavy Vehicles (3 or more axies)





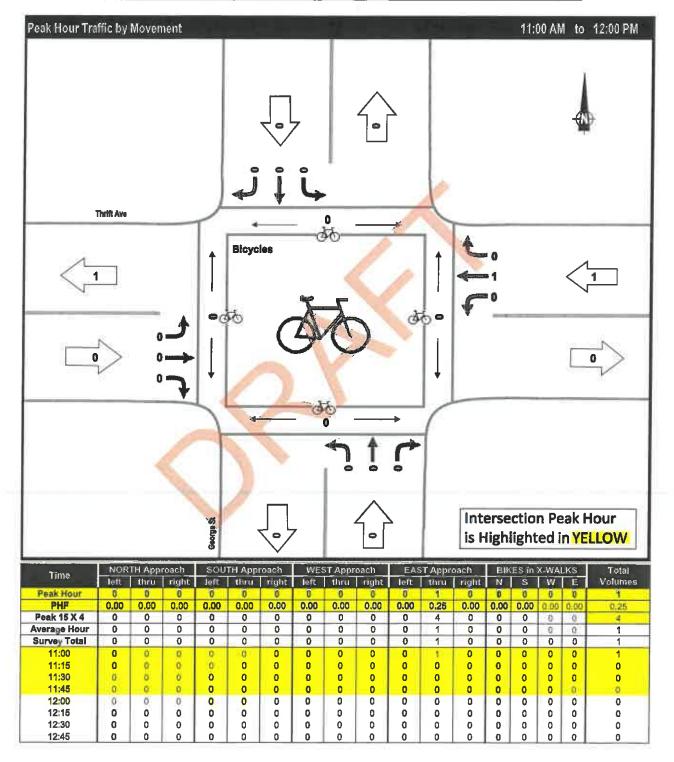
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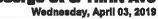
Wednesday, April 03, 2019 Midday Peak Period

Project #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain Vehicle Class: Bicycles

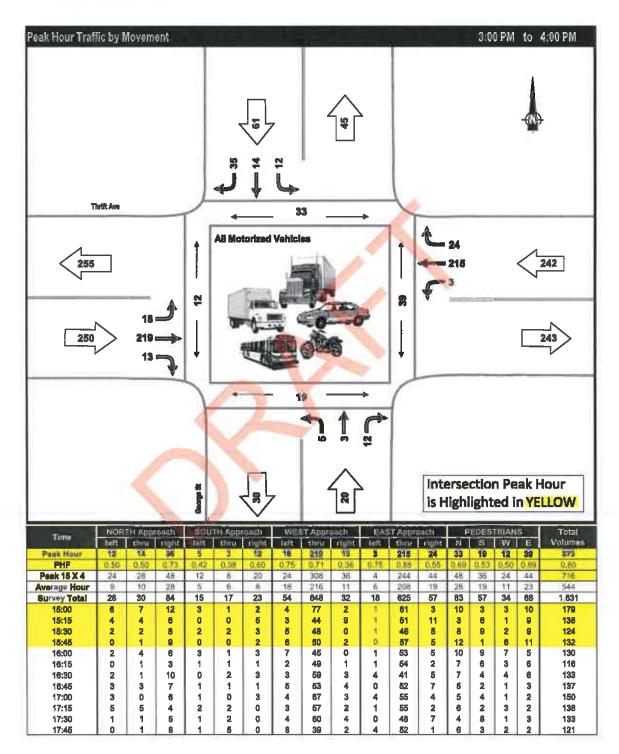
Note: Crosswalk blke volumes shown are cyclists who rode their blke across the crosswalk and are not included in the pedestrian volume totals





Project: #7025; 1485 Fir Street Traffic Impact Study Municipality: White Rock

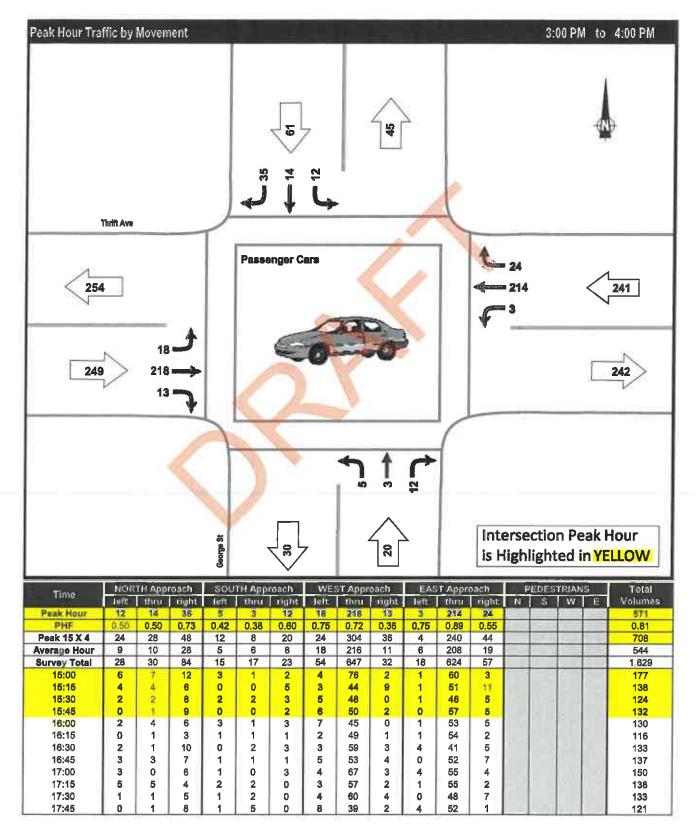
Westher: Rain Vehicle Class: All Motorized Vehicles





Municipality: White Rock Weather: Rain Vehicle Class: Passenger Cars

Afternoon Peak Period

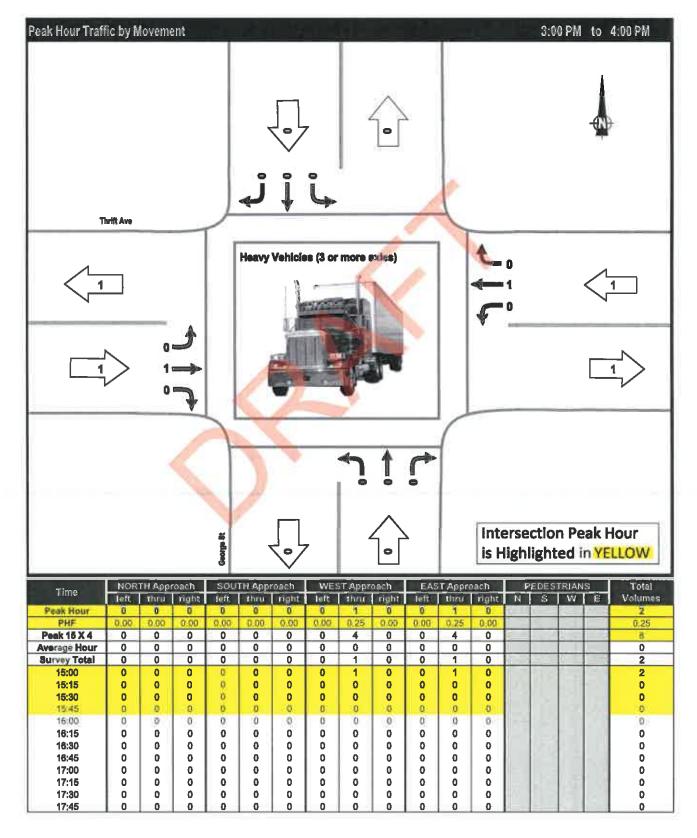




Municipality: White Rock Weather: Rain

Vehicle Class: Heavy Vehicles (3 or more axies)

Afternoon Peak Period





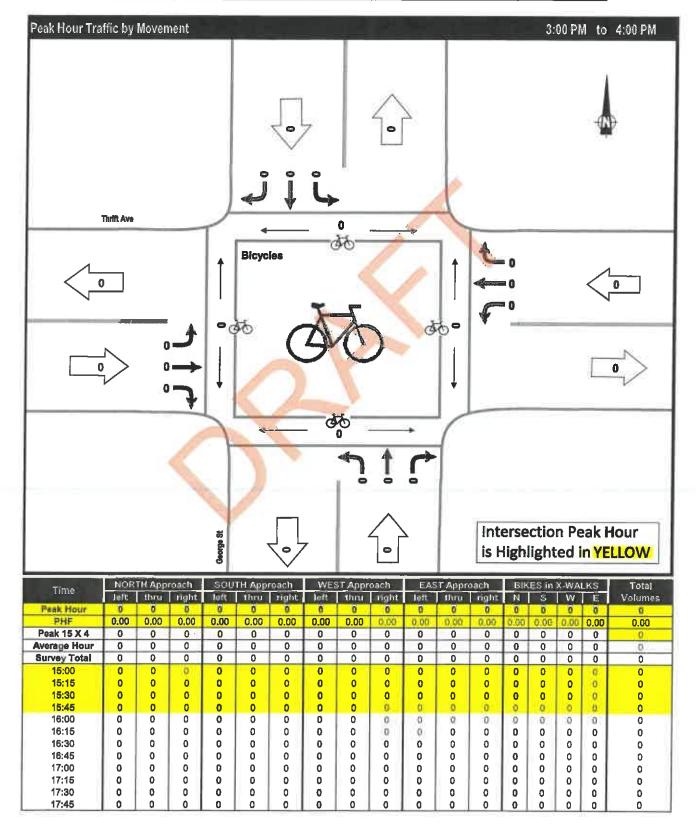


Project: #7025: 1485 Fir Street Traffic Impact Study

Municipality: White Rock Weather: Rain

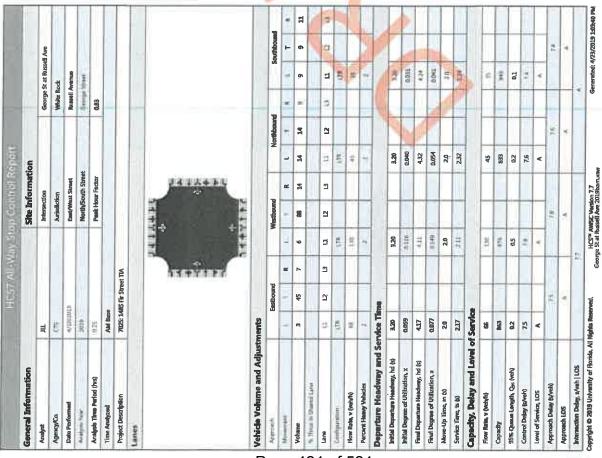
Vehicle Class: Bicycles

Note: Crosswalk bike volumes shown are cyclists who rode their bike across the crosswalk and are not included in the pedestrian volume totals

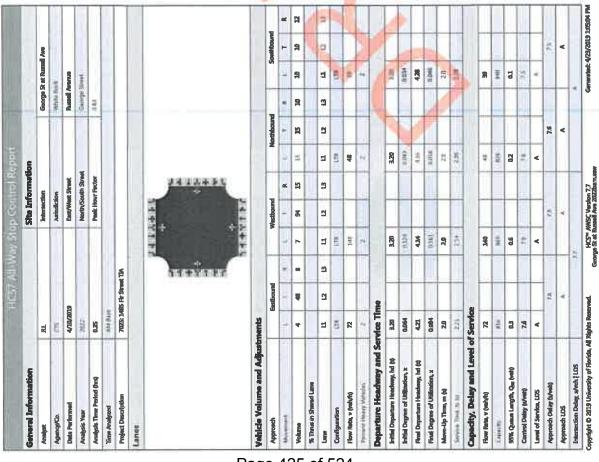


Appendix D Intersection Capacity Analysis

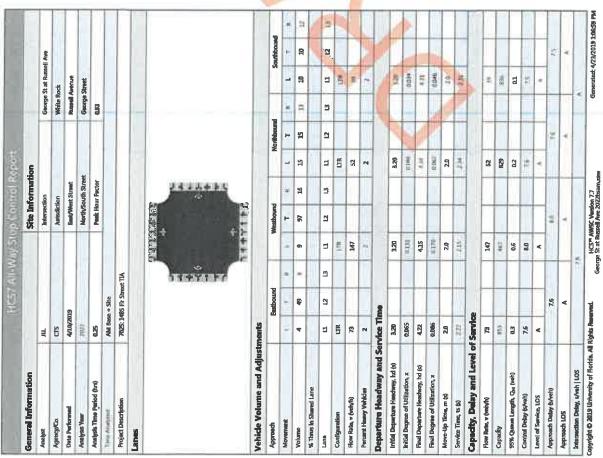
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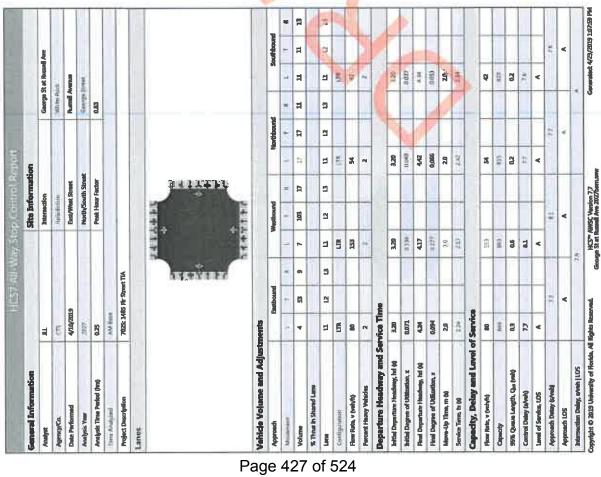
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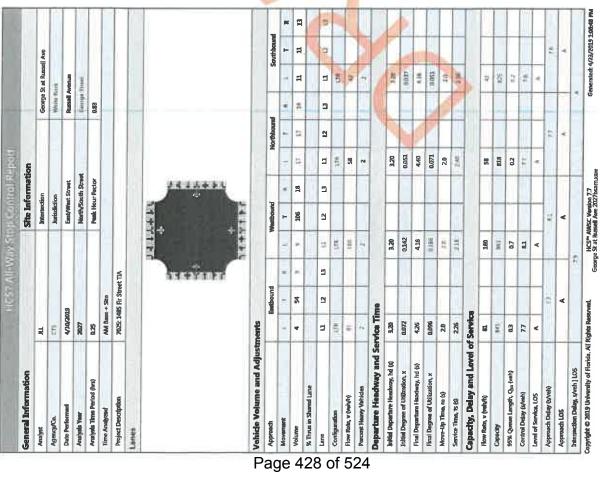
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Agency/Co.	th)		ľ	ì	Jurisdiction	ion			White Rock	pg.		
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Final Departure Headway, hd (s)	4.58			457			4.58			4.83		
Final Degree of Utilization, x	4960			0.290			2000			0.146		
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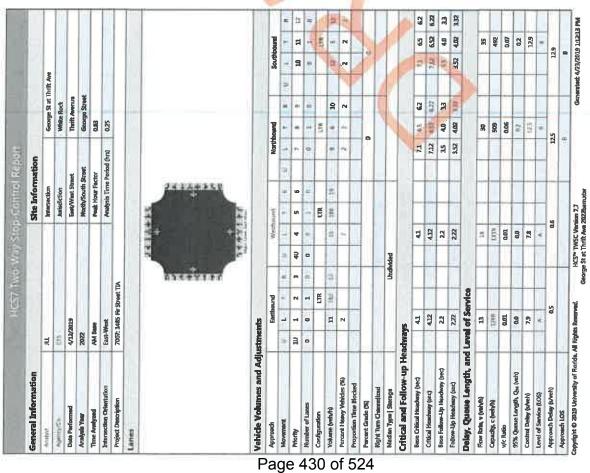
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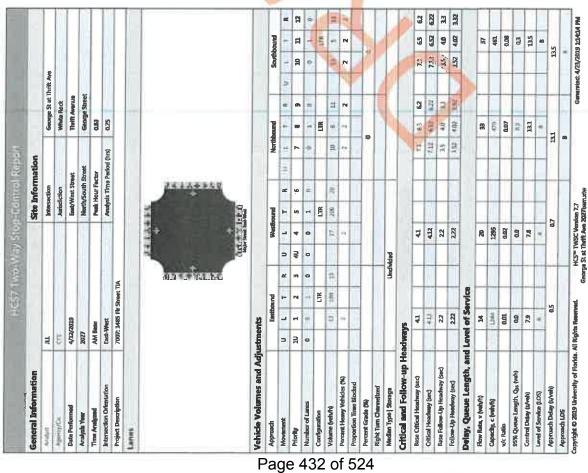
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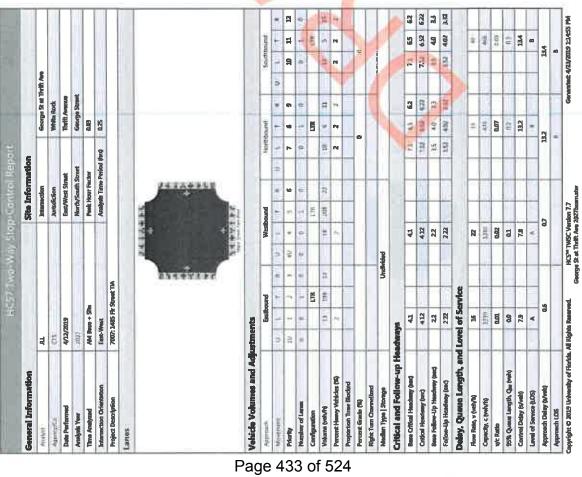
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Copyright © 2019 University of Rorids. All Rights Reserved. 1150 0.051 0.051 7.9 3 2 2 s 4 Vehicle Volumes and Adjustments Critical and Follow-up Headurays 3 3 Barne Critical Headway (nod) Critical Hearbray (sed) Rane Follow-Up Headway (mod) Votume (velv/h)
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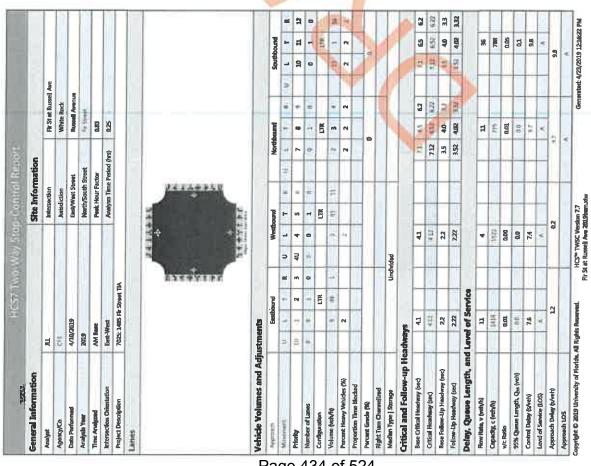
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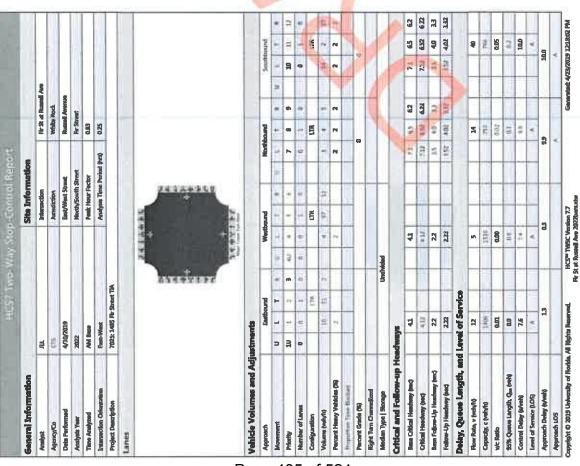
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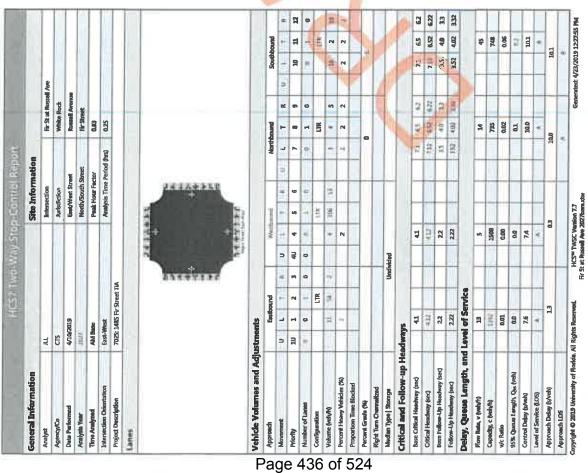
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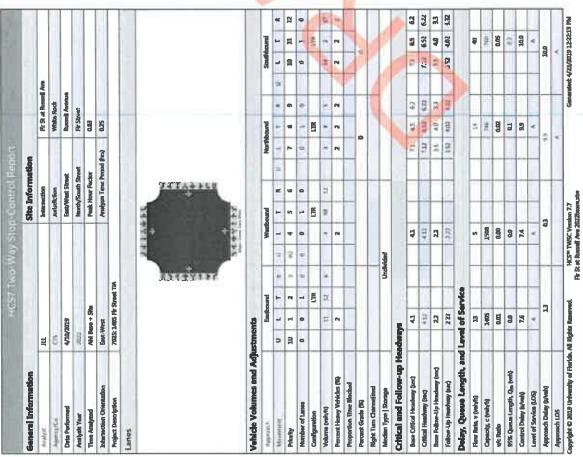
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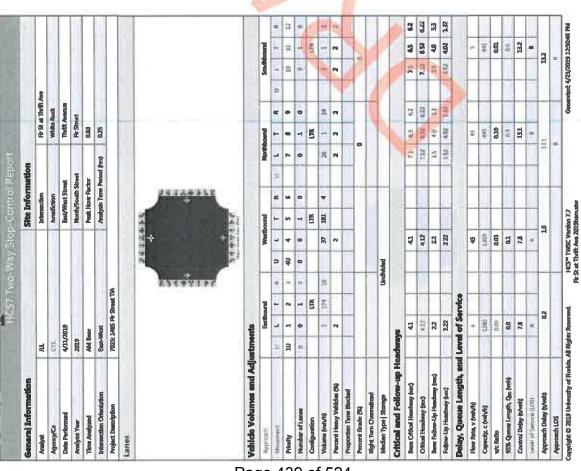
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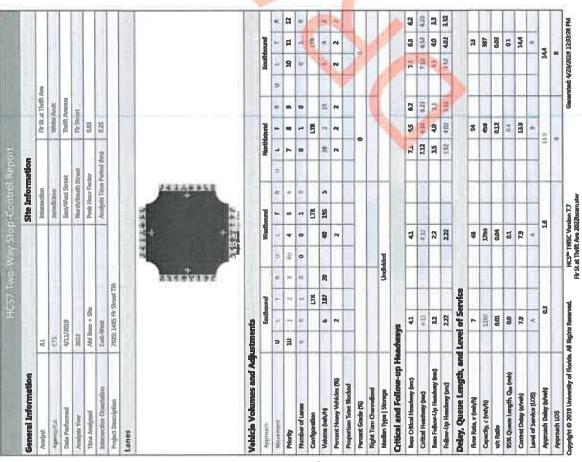
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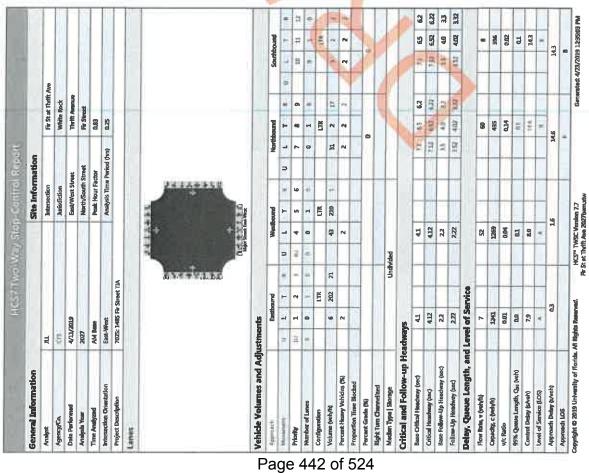
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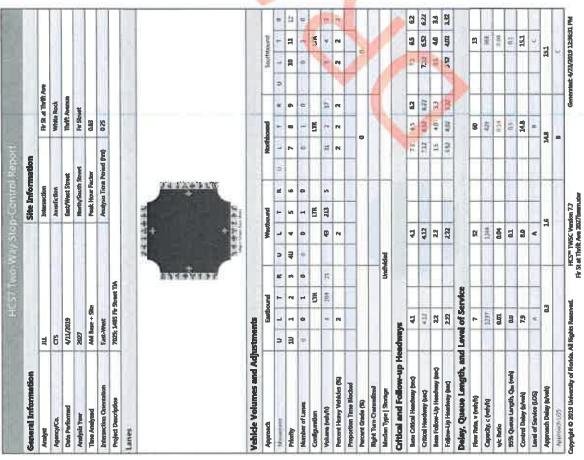
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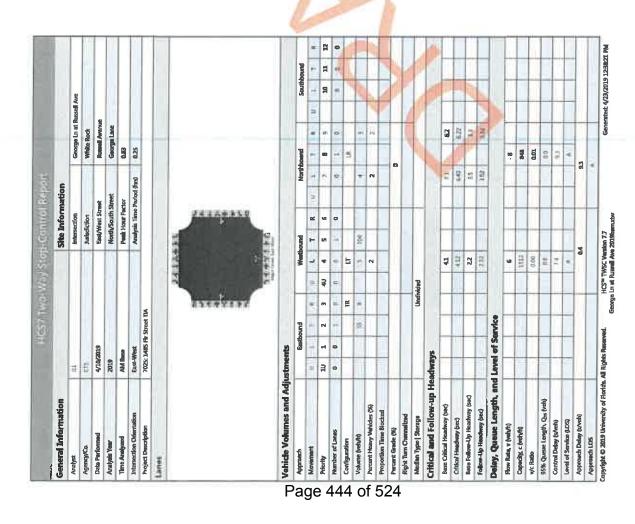
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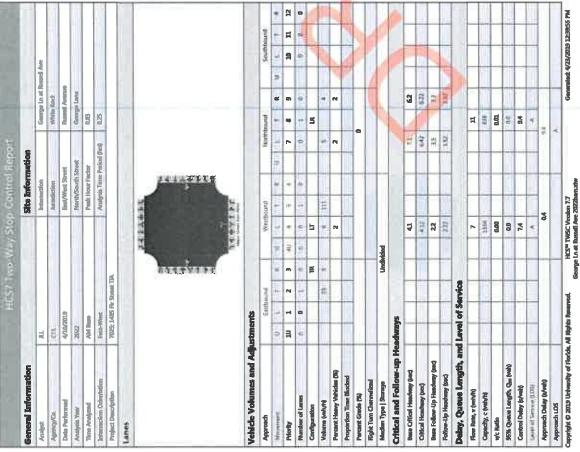
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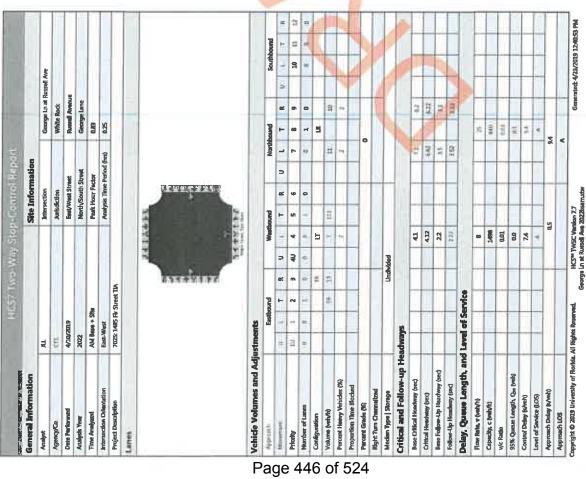
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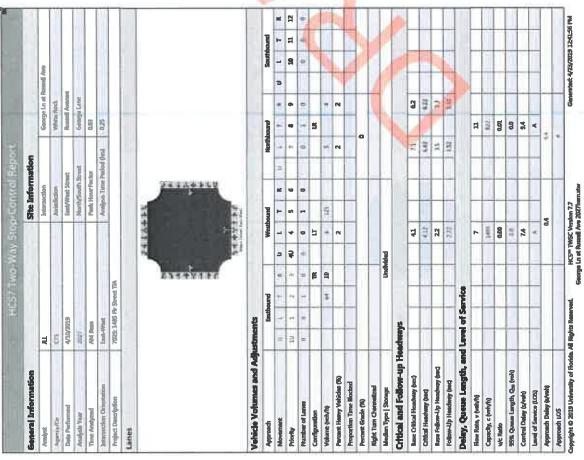
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General Information				_	Site Info	Site Information				
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Critical Handway (sec)				433		145	9	622		İ
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Follow-Up Headway (sec)				373	i	15		3,32		
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v/c Ratho				1070			9		L	l
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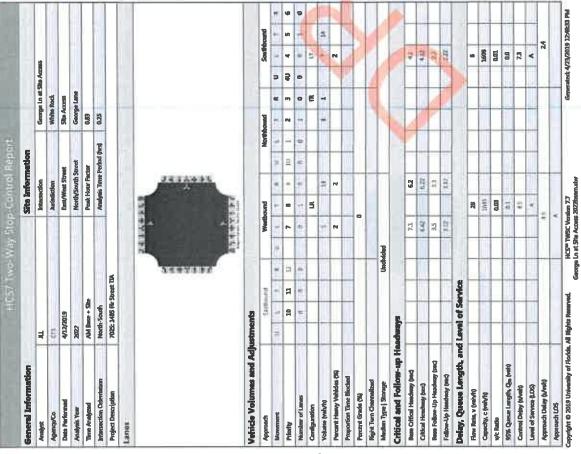
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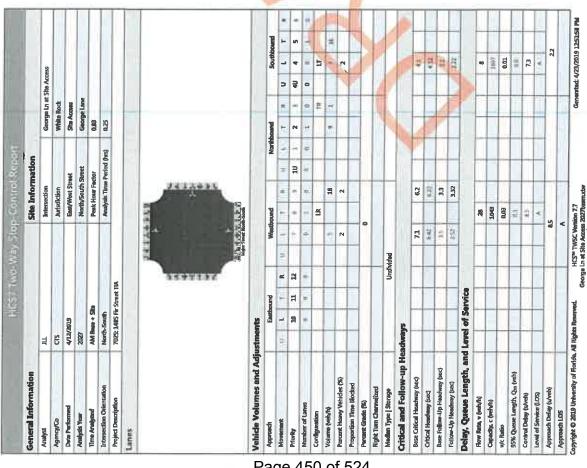
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Þ Generated: 4/23/2019 12:43:33 PM n o George Ln at Russell Ave White Rock Remail Avenue George Lane 3 3 2 3 S N 8 23 N 5 3 2 3 5 2333 :1 Analysis Time Period (hrs) Site Information Intersection
Autholiciton
Eun/West Street
North/South Street
Peak Hour Factor HCS** TWSC Version 7,7 George Ln at Russell Are 2027beam.xbv 171 ş 0 1489 0.00 7.4 2 41 22 42 ₹ Undivided 111 7025: 1485 Fr Street TA Delay, Queue Length, and Level of Service Copyright © 2029 University of Florida. All Rights Reserved. AM Base + Site 4/19/2019 East-West Vehicle Volumes and Adjustments Critical and Follow-up Headways Ħ Base Critical Headway (sec)
Critical Headway (sec)
Base Follow-Up Headway (sec)
Follow-Up Headway (sec) General Information 95% Queue Length, Os (veh) Percent Heavy Vehicles (%) Proportion Time Blocked Arelyde Year
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Project Description Control Delay (s/vah) Level of Sentice (LOS) Approach Delay (s/veh) Right Turn Chemicalized Median Type | Storage Flow Rate, v (vehyfi) Percent Grade (%) Capacity, c. (veh/%) Number of Lanes Volume (weh/h) Data Performed Approach LOS Configuration Lanes v/c Ratio Analyst Page 448 of 524

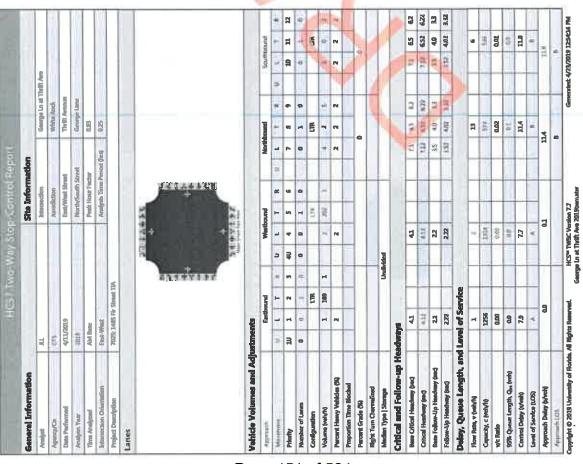
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Level of Service (LOS)							4	t					<		
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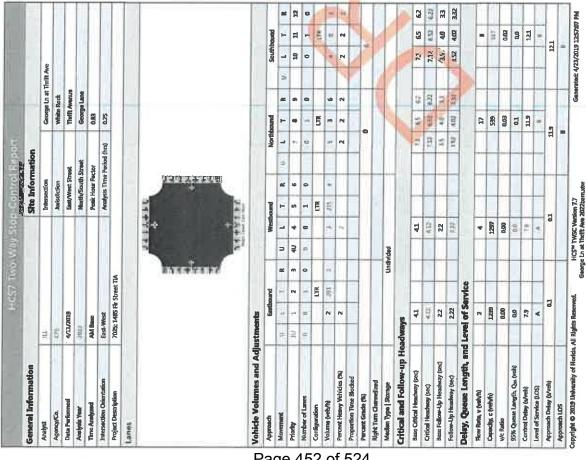
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Date Performed	4/12	4/12/2019					East/W	East/West Street			Site Access			l	1
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Follow-Up Headway (sec)						101		3.32					222		
Delay, Queue Length, and Lavel	nd Leve	of St	of Service											ı	
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Capacity, c (veh/h)				ij		i	trut			Н			1595		
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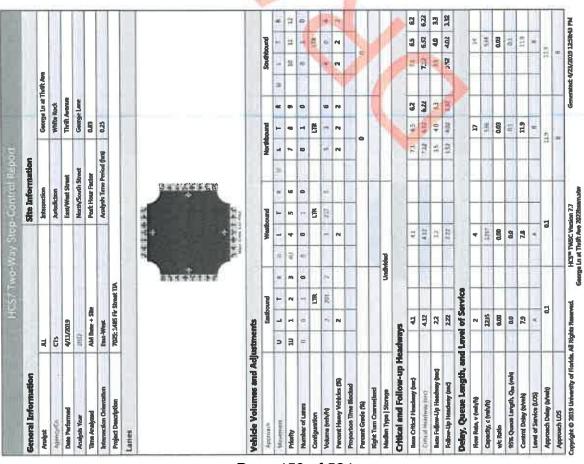
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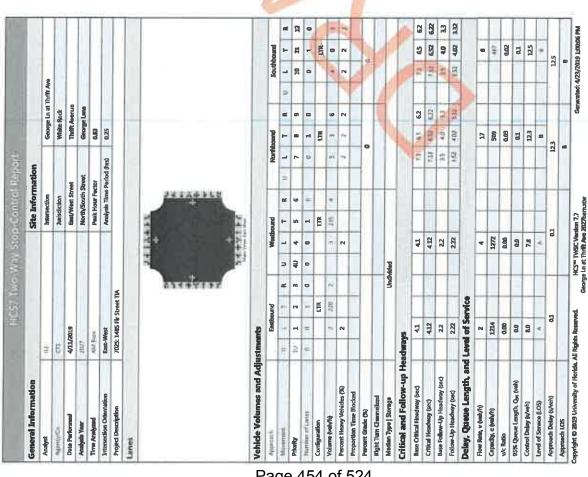
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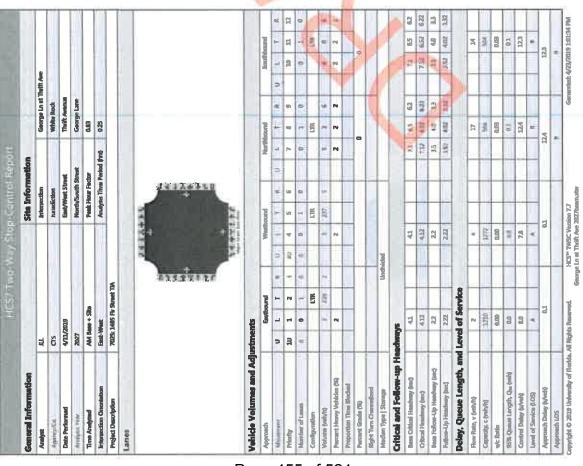
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MINUTE EXTRACTS REGARDING BYLAW 2363: WHITE ROCK ZONING BYLAW, 2012, NO. 2000, AMENDMENT (CD-64 – 1485 FIR STREET) BYLAW, 2020, NO. 2363

Land Use and Planning Committee October 19, 2020

4.3 REZONING AND MAJOR DEVELOPMENT PERMIT APPLICATION – 1485 FIR STREET (ZON/MJP 19-009)

The following discussion points were noted:

- The City has not yet defined Affordable Housing
- Affordable Housing is important to Council
- Low Rise (3-4 stories) has been noted what the public would like to see for the area
- The applicant has made changes in order to help long term tenants

Motion Number: 2020-LU/P-29 /It was MOVED and SECONDED

THAT the Land Use and Planning Committee recommends:

- 1. That Council give first and second readings to "White Rock Zoning Bylaw, 2012, No. 2000, Amendment (CD-64 -1485 Fir Street) Bylaw, 2020, No. 2363 as presented, and direct staff to schedule the required Public Hearing;
- 2. That Council direct staff to resolve the following issues prior to final adoption, if Bylaw No. 2363 is given Third Reading after the Public Hearing:
- a) Ensure that all engineering requirements and issues, including dedication of a 5.0 metre by 5.0 metre corner cut on the corner of the site at Fir Street and Russell Avenue, intersection improvements including 'watch for pedestrian' signage as well as tactile paving on the northwest and northeast corners of George Lane and Thrift Avenue, and completion of a servicing agreement, are addressed to the satisfaction of the Director of Engineering and Municipal Operations;
- b) A Tenant Relocation Plan and adoption of a Housing Agreement Bylaw are finalized; and

- c) The consolidation of existing three lots and the demolition of the existing residential building occurs; and
- 3. That, pending adoption of "White Rock Zoning Bylaw, 2012, No. 2000, Amendment (CD-64 1485 Fir Street) Bylaw, 2020, No. 2363," Council consider issuance of Development Permit No. 432 for 1485 Fir Street.

Motion CARRIED

Councillors Johanson and Kristjanson voted in the negative