

---

# SCHOOL TRAVEL PLAN

---

## Randerson Ridge Elementary



<b>Introduction .....</b>	<b>4</b>
Summary .....	4
Background.....	4
School Travel Planning.....	4
<b>Overview .....</b>	<b>6</b>
School .....	6
Catchment.....	6
Transportation .....	7
<b>Baseline Data .....</b>	<b>9</b>
Methodology and Results .....	9
Hands-Up Baseline Data .....	9
Family Survey Baseline Data.....	10
Transportation Walkabout .....	14
<b>School Travel Challenges.....</b>	<b>16</b>
1. Topography .....	16
2. Pedestrian crossing safety at the intersection of Turner Rd. and Nelson Rd.....	17
3. Pedestrian safety at roundabouts.....	19
4. Pedestrian crossings in the school zone .....	20
5. Absence of pedestrian infrastructure on Carrington Rd. / Carlton Rd.....	21
6. Lack of pedestrian connections between the Oliver Woods neighbourhood and the school.....	22
7. Lack of pedestrian connections between Bradbury Rd. and the school .....	23
<b>Implementation.....</b>	<b>26</b>
Education and Engagement.....	26
Drive to Five Plus.....	26
Best Route to School Maps.....	27
Engineering.....	28
The Rutherford Roundabout .....	28

Enhanced Crosswalk at the Intersection of Turner Rd. and  
Glacier Wy .....29

Ongoing Efforts and Evaluation..... 30

Consultation and Endorsement ..... 31

School Travel Planning Members .....31

    School Committee.....31

    Municipal Steering Committee.....31

List of Appendices ..... 32

    Appendix A: School Travel Action Plan .....

    Appendix B: Best Routes to School Map.....

    Appendix C: Hands-up Survey .....

    Appendix D: Family Take-home Survey .....

    Appendix E: Baseline Survey Heat Map.....

    Appendix F: Safer School Travel Program 2006 Status  
Update .....



[www.nanaimo.ca/goto/safer-school-travel](http://www.nanaimo.ca/goto/safer-school-travel)



[www.sd68.bc.ca/students-parents/getting-to-school](http://www.sd68.bc.ca/students-parents/getting-to-school)



[www.hastebc.org](http://www.hastebc.org)

## Summary

The purpose of this School Travel Plan is to provide a summary of the 18-month School Travel Planning process at Randerson Ridge Elementary (hereinafter: Randerson). The School Travel Plan is a living document belonging to the school that should be revisited regularly in order to update the status of the School Travel Action Plan and to incorporate future evaluation findings. The School Travel Plan identifies and prioritizes engineering, encouragement, and enforcement actions aimed at creating a safer and more comfortable environment for students and their families to walk, bike, and roll to school.

This document consists of information compiled since the School Travel Planning process began at Randerson in the winter of 2018.

## Background

In 2014, the City of Nanaimo completed its Transportation Master Plan, which included a need to identify and promote Active and Safe Routes to School as part of a refreshed approach toward neighbourhood transportation to reduce the negative impacts of vehicle traffic while encouraging walking and cycling; enhancing their liveability and sustainability.

Over the next few years, City staff worked with the Nanaimo Ladysmith School District and various stakeholders to determine the best approach to achieve the City of Nanaimo's goals. In December 2017, the City of Nanaimo put out a call for proposals for consulting services to develop safe and active transportation plans in 4 of its schools. HASTe (the Hub for Active School Travel) was chosen to implement the School Travel Planning process as the foundation of the City of Nanaimo's Safe Routes to School project.

## School Travel Planning

School Travel Planning (hereinafter: STP) is a community-based planning process that has been used with success to date in communities across Canada to increase the number of families choosing active transportation modes to get to and from school. STP uses a collaborative approach, working to involve all relevant stakeholders and enable communities to tackle the root causes of their schools' transportation challenges.



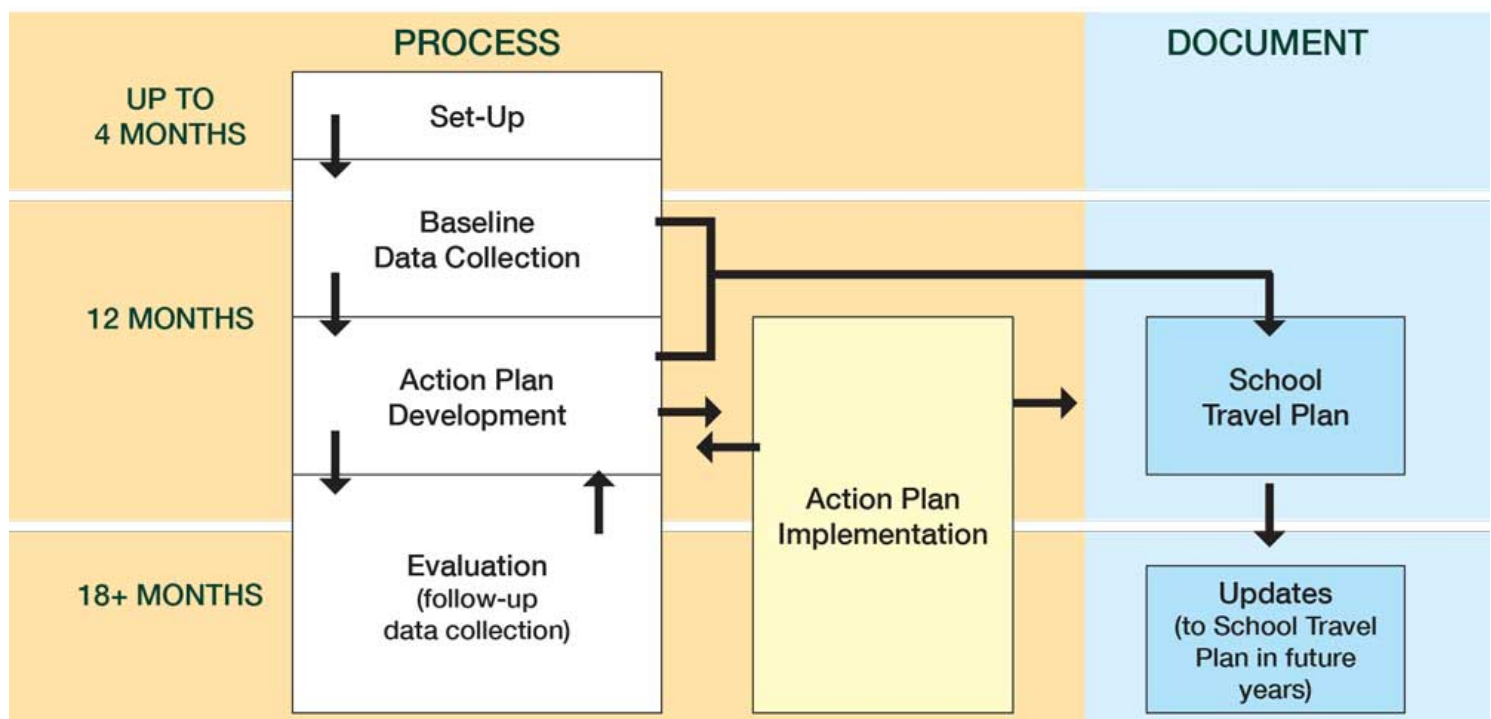
Key benefits of STP are:

- Improved physical and mental health
- Improved traffic safety
- Reduction in pollution
- Improved air quality

STP involves a network of representatives of key school-transportation stakeholder groups who make up a Steering Committee and inform and support the STP process.

Organizations and individuals that contributed to the STP process at Randerson included administrators, teachers, staff, parents, and students from the school as well as staff from the City of Nanaimo, the Nanaimo Ladysmith School District, RCMP, ICBC, and other community partners.

At individual schools, the STP process is led by an STP Facilitator, who convenes a School Committee, comprised of staff, parents, and administration, to outline specific active school travel barriers and solutions, developing the foundation and specifics for each school's Travel Plan.



▲ The School Travel Planning Process

## School

Randerson Ridge Elementary School (hereinafter: Randerson) is a community elementary school located 6021 Nelson Rd. in North Nanaimo, a residential neighbourhood in the northern end of the City of Nanaimo.

339 students were enrolled at Randerson during the 2017/18 school year. This number is expected to increase to 377 in the 2018/19 school year when the school is set to receive 38 additional students who formerly attended nearby Rutherford elementary. These students live in the northern end of the expanded catchment area, within 1.5km of the school.

Randerson opened in 1995. The school's website notes that Randerson staff encourage "each child to grow academically, physically and socially to the best of his/her ability."

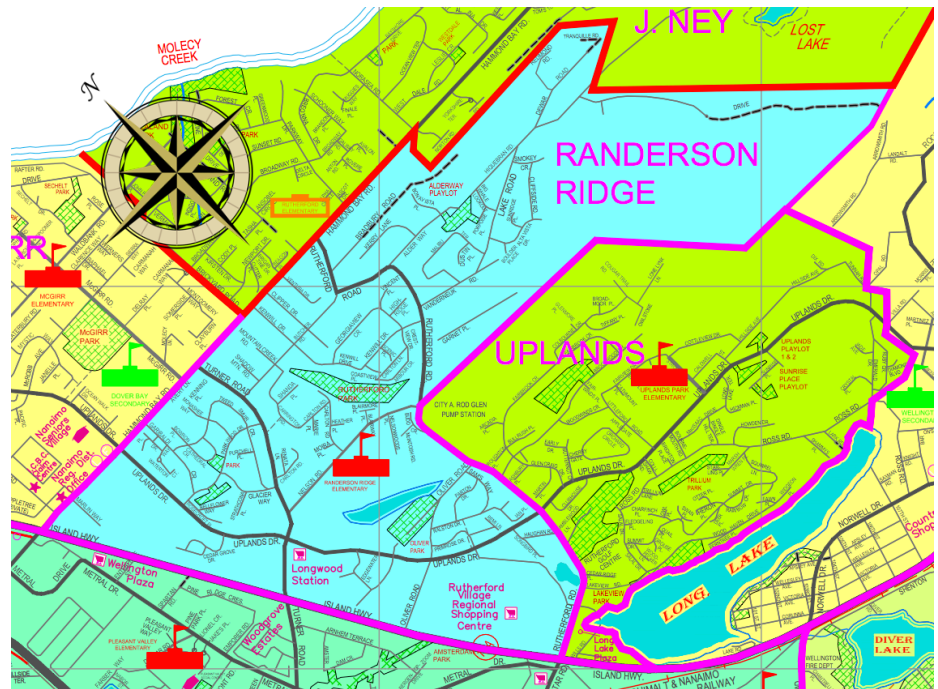
Randerson's Parent Advisory Committee (PAC) is a small but dedicated group of parents who meet regularly at the school on the 1st Monday of each month.

## Catchment

Randerson's catchment area is primarily residential, with a band of commercial zoning and activity along its western edge and near the intersection of Nelson Rd. and Rutherford Rd. Housing type is mostly single-family detached homes; however, there are a number of semi-detached houses, condominiums, and townhouses in the area as well.

There are several green spaces in the Randerson catchment area, including Rutherford Park to the north; Linley Valley Drive Park to the east; and the Oliver Woods Park, which houses the Oliver Park Community Centre, south of the school.

As its full name would suggest, Randerson is located on a ridge: specifically, the western end of Hidden Ridge. South of the school, the terrain slopes steeply downwards; the intersection of Butcher Rd. and Carrington Rd., about 500m away, is about 80 meters lower in elevation.



▲ **Randerson Elementary catchment map**

## Transportation

There are a number of major roads in and around the Randerson catchment area. Hammond Bay Rd., an arterial/major collector road, serves as its northern boundary, while the Island Hwy. runs along its western edge. Within the catchment, Uplands Dr., an arterial road, runs north-south to the west of the school; Turner Rd., a minor collector road, runs north-south to the west of the school; Linley Valley Dr., a short section of arterial road, runs east-west and connects Turner Rd., Uplands Dr., and the Island Hwy.; and Rutherford Rd., an arterial/major collector road, runs north-south, bisecting the catchment.

Two of Nanaimo's few roundabouts are located in the Randerson catchment area: one at the intersection of Turner Rd. and Linley Valley Dr.; and the other, recently installed as of the writing of this plan, at the intersection of Nelson Rd. and Rutherford Rd.

There are two transit routes through the Randerson catchment area, along Turner Rd. and Uplands Dr. There are also transit routes on the Island Highway and along Hammond Bay Rd.

Many of the parks near Randerson feature pedestrian walking trails and multi-use paths. There are sidewalks on at least one side of all major and most local roads, and shared paths near the two roundabouts in the catchment area. On-road cycling lanes were recently added to two of the major roads in the catchment, Turner Rd. and Rutherford Rd.

Randerson has a Walk Score of 40/100, suggesting that its neighbourhood is largely car-dependent; Walk Score is a measure of neighbourhood walking accessibility, and is often an indicator of community health and well-being ([www.walkscore.com](http://www.walkscore.com)).

Methodology and Results

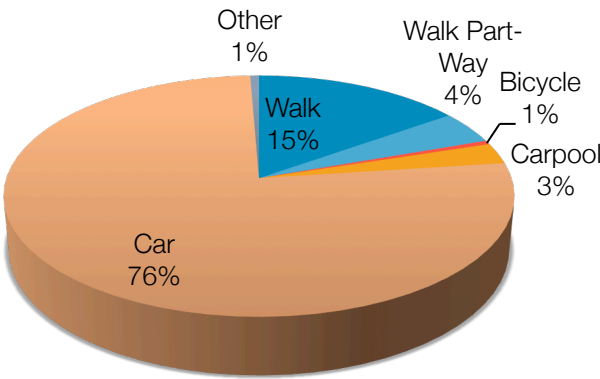
Baseline school travel data was collected through a variety of methods, including student hands-up surveys, family take-home surveys, a walkabout of the surrounding neighbourhood, and meetings with the school community.

Baseline hands-up surveys and family take-home surveys were completed in February 2018.

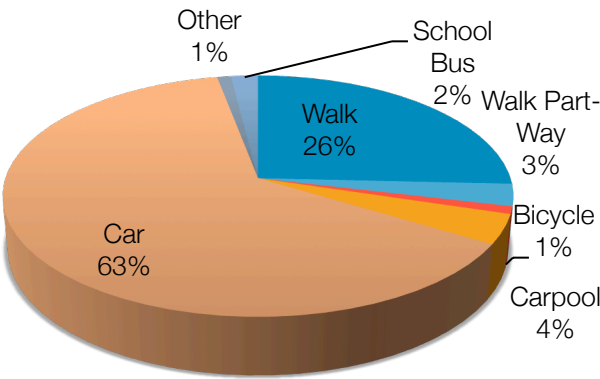
The neighbourhood walkabout at Randerson took place on March 12<sup>th</sup>, 2018. The walkabout was attended by administrators, parents, and members of the municipal Steering Committee. Participants observed the school’s travel patterns and toured the area to investigate and examine concerns. The walkabouts informed the Travel Challenges section of this report, the Best Routes to School map (Appendix B), and the School Travel Action Plan (Appendix A).

Hands-Up Baseline Data

15 divisions from grades K-7 participated in hands-up surveys at Randerson. Teachers asked students to raise their hands when identifying their method of travel to and from school, and recorded responses daily over the course of one week. Results from this survey are presented below.



▲ Travel Mode TO School



▲ Travel Mode FROM School



According to baseline hands-up survey results, the majority of students at Randerson are driven to (79%) and from (67%) school, either as a single family (76%/63%) or part of a carpool (3%/4%). A small but significant proportion of students walk to (15%) and from (25%) school, while a few walk part-way (4%/3%), ride their bicycles (1%), or travel by other means (1%). Additionally, a few students reported taking the bus from school (2%), though none reported taking the bus to school.

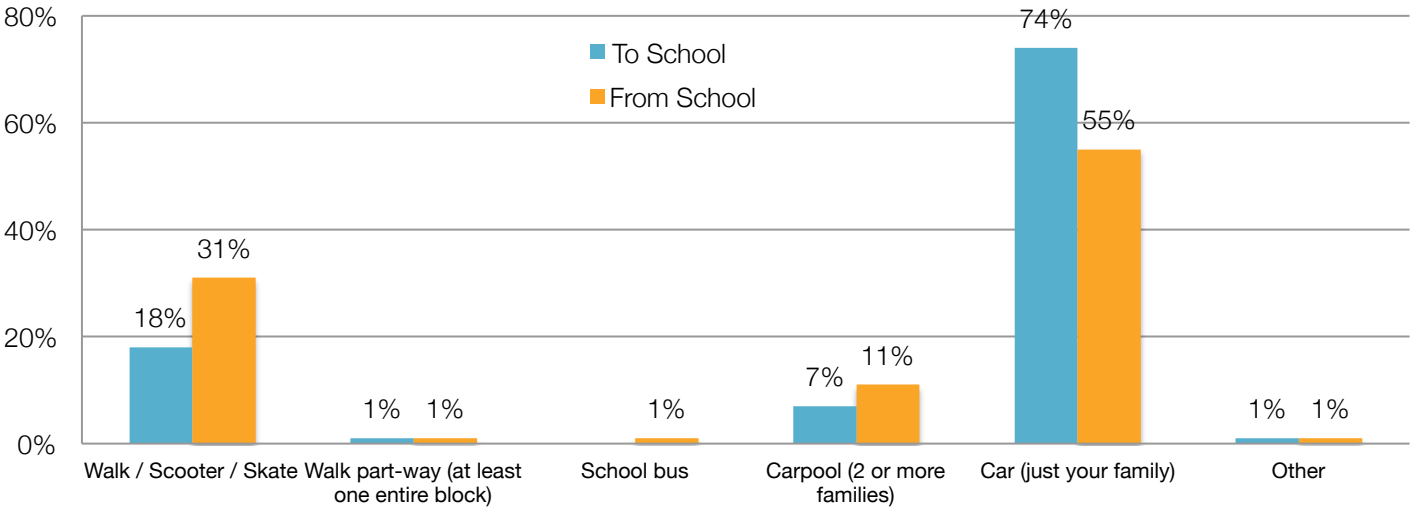
A copy of the baseline hands-up survey is attached to this document as Appendix C.

Family Survey Baseline Data

Family take-home surveys were sent home with each student Randerson. Families were asked to complete the survey and return it to the school within one week. Families were asked about their child(ren)’s travel choices to and from school, factors that influenced transportation decisions, and local transportation concerns. A copy of the baseline family take-home survey is attached to this document as Appendix D.

122 families representing 182 children completed the survey at Randerson, a return rate of 54%. The findings from this survey are presented below.

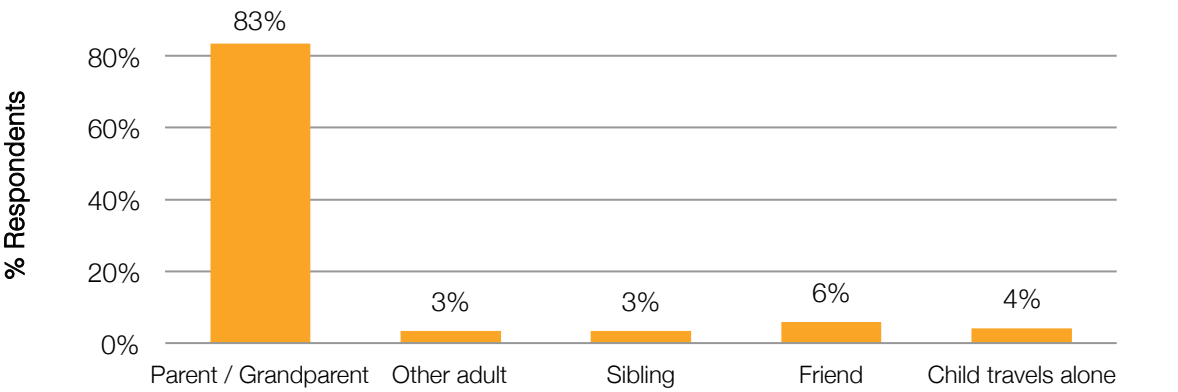
▼ How does your child(ren) usually get to and from school?



Mode share splits from the baseline family take-home survey show more walking and less driving to school, and less walking and more driving from school, than were recorded by the baseline hands-up survey.

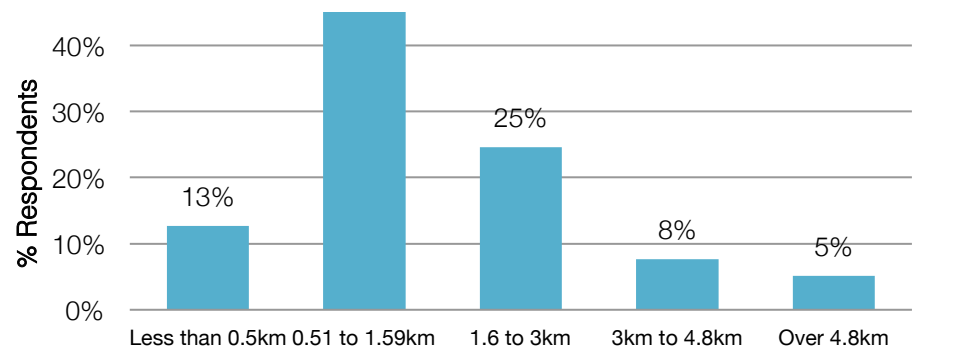
It is not unusual to see walking rates increase and driving rates decrease in the afternoon compared to the morning. However, the walking rate at Randerson almost doubles (72% higher), while the driving rate is 26% lower. These shifts suggest that many of the driving trips to school at Randerson may be elective, and could be shifted to active and sustainable modes under current circumstances.

▼ Who usually accompanies your child on the way to school?



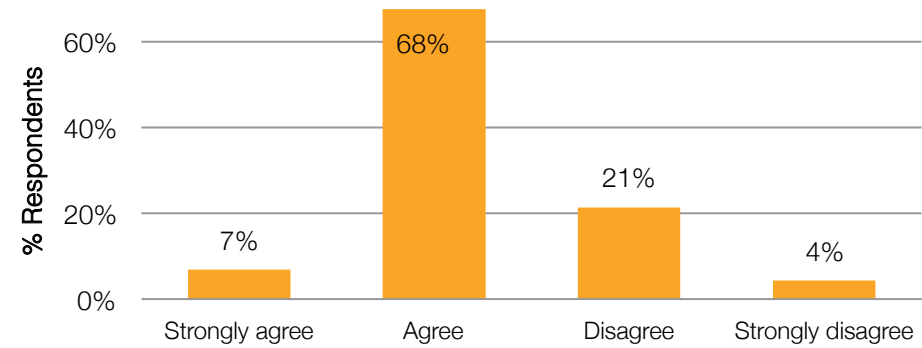
The majority of children at Randerson are accompanied by an adult (87%) on their trip to school, either a parent or grandparent (83%) or someone else (3%). A few students travel to school with their siblings (3%), with a friend (6%), or by themselves (4%).

▼ How far away from school do you live?



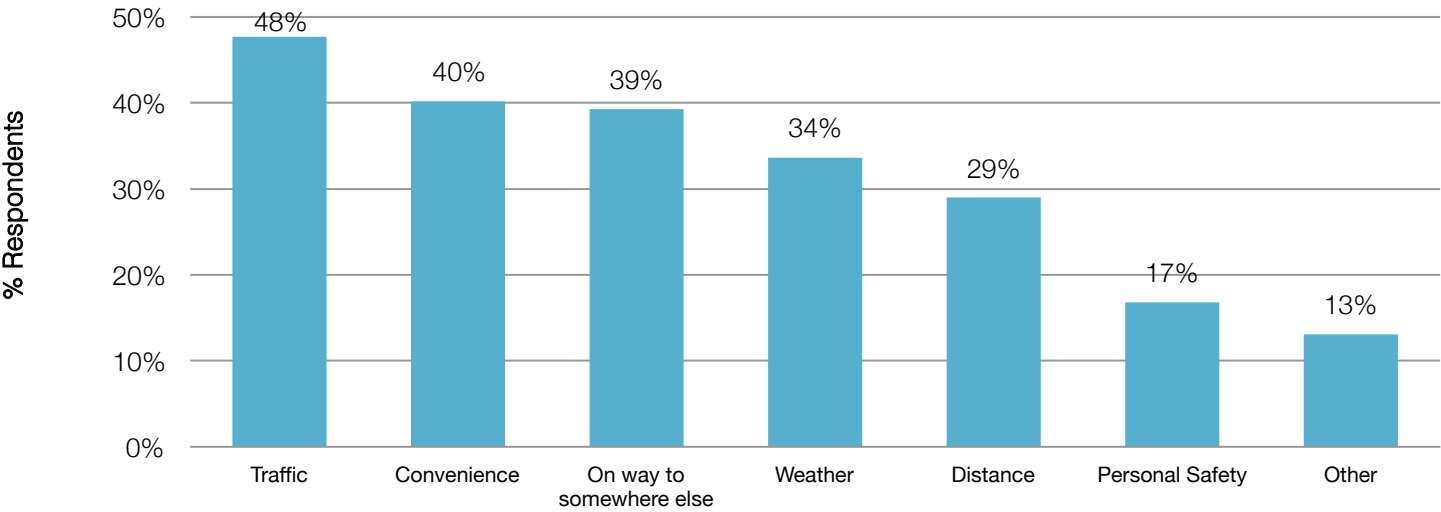
The majority of students at Randerson (63%) live within 1.6km of the school, generally considered a walkable distance for elementary aged children. A quarter of students live between 1.6km and 3km of the school (25%), while 8% live between 3km and 4.8km of the school, and 5% live more than 4.8km from the school, beyond the walking limit set out by the Nanaimo Ladysmith School District.

▼ **Our neighbourhood is safe for children to walk to school**

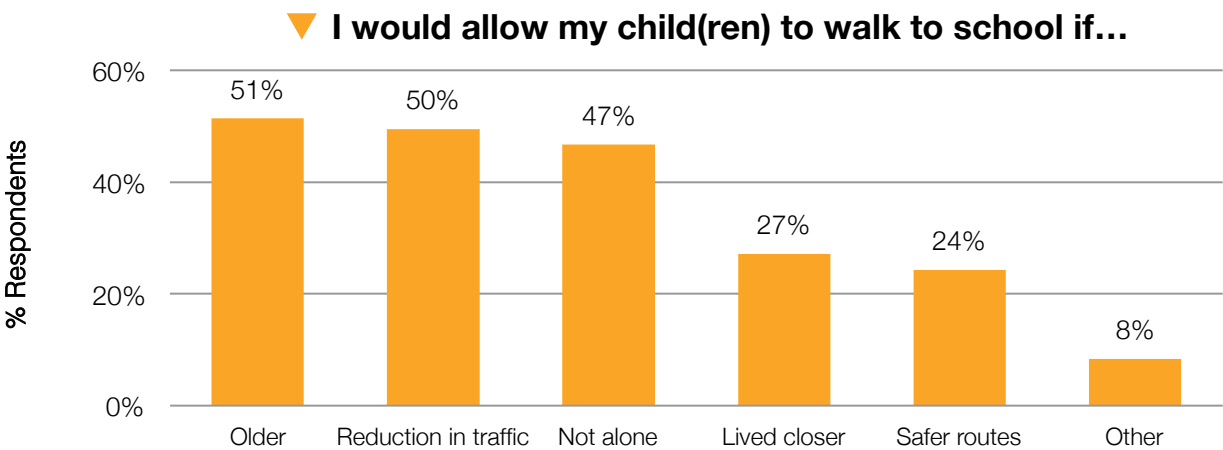


Three-quarters of parents at Randerson either agree (68%) or strongly agree (7%) that their neighbourhood is safe for children to walk to school, while a quarter either disagree (21%) or strongly disagree (4%) with that statement.

▼ **What are the main reasons your child(ren) is/are usually driven to/from school?**



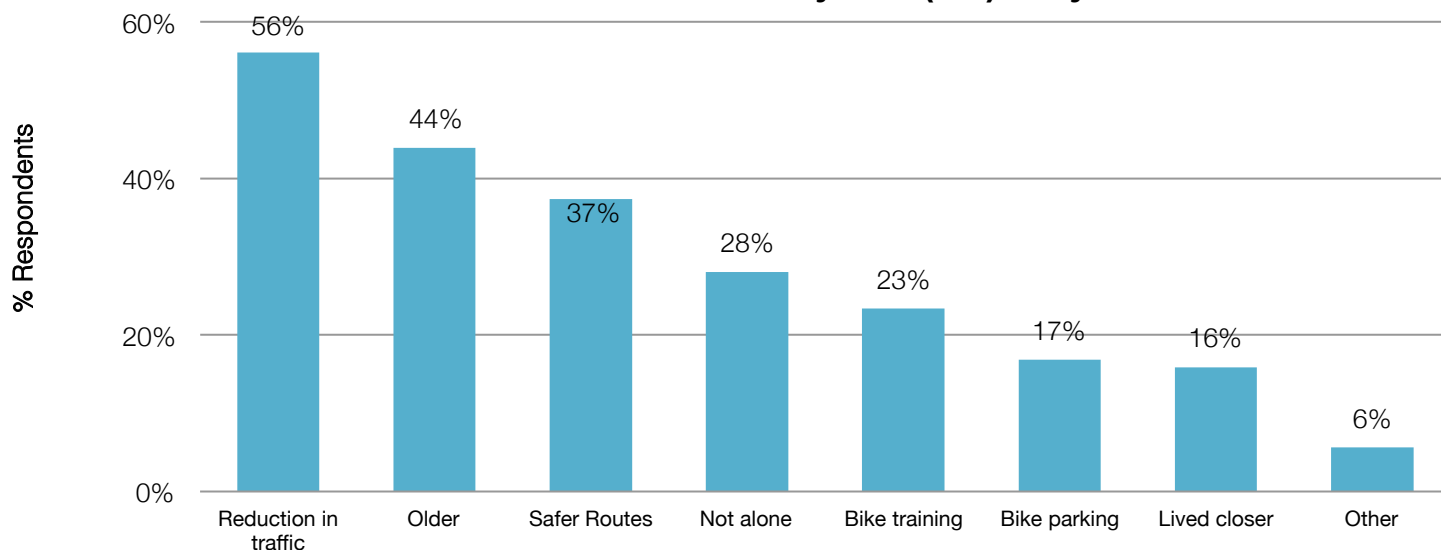
When asked why they drove their children to school, parents at Randerson were more likely to choose “traffic” (48%) than any other available option. “Convenience” (40%) and being “on the way to somewhere else” (39%) were also popular choices.



When asked under what conditions they would consider allowing their child(ren) to walk to school, parents were more likely to indicate “if they were older” (51%), “if there were a reduction in traffic” (50%), and “if they were not alone (47%) than other available options.

Data collected through the baseline survey indicates that older students at Randerson do indeed walk to school more often than their younger peers: only 4% of students aged 4-6 years walk to school, while 14% of students aged 7-9 years and 34% of students aged 9-11 years do so. The topography of the catchment area may have some bearing on the correlations between age and walking rates; in meetings at the school, several parents expressed concerns about their young children’s abilities to manage the steep hills and grades in the catchment area on walking routes to school.

## ▼ I would allow my child(ren) to cycle to school if...



When asked under what conditions they would consider allowing their child(ren) to cycle to school, parents were more likely to indicate “if there were a reduction in traffic” (56%), “if they were older” (44%), and “if there were safer routes” (37%) than other available options.

## Transportation Walkabout

A walkabout was held at Randerson on Monday, March 12<sup>th</sup> at 1pm. Parents came together with members of the School Travel Planning steering committee to review areas of concern and start developing solutions to overcome them.



## ▲ The Randerson walkabout route



Walkabout participants met in front of the school to introduce themselves and review the routes they would walk. During the walkabout, participants:

- Observed vehicle and pedestrian activity on school grounds, in the drop-off loop, and in the school zone.
- Observed pedestrian crossing facilities at the intersection of Nelson Rd. and Turner Rd.
- Observed the roundabout at the intersection of Turner Rd. and Linley Valley Dr.
- Discussed the school community's desire for walking routes and pedestrian connections to school that were not on main roads.
- Observed the crosswalk at the intersection of Turner Rd. and Glacier Wy.
- Observed pedestrian conditions on Carlton Rd.
- Observed the new roundabout and construction at the intersection of Nelson Rd. and Rutherford Rd.



▲ Walkabout participants observe transportation activity in the school zone at Randerson

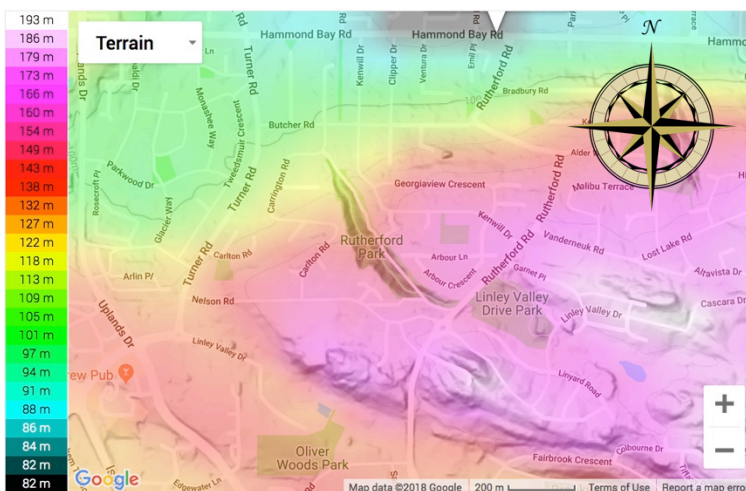
School travel challenges are the barriers to active travel faced by students, families, and staff at Randerson. These challenges were identified through the take-home surveys where parents identified on a map the areas of their highest concern, and through conversations with the school administrators and other members of the school community.

This section, along with Randerson's School Travel Action Plan (Appendix A), identifies some of the challenges and presents solutions, drawn from the school community and best practices in the field of ASRTS, to overcome the barriers to active travel at Randerson.

## 1.

### Topography

As its name implies, Randerson Ridge Elementary is situated on an elevated ridge that runs south of Hammond Bay Rd. The difference in elevation between Hammond Bay Rd., which serves as the northern border of the school's catchment area, and the school site is approximately 80 meters, while the distance between the two is approximately 700 meters.



▲ **Topographic map of the area around Randerson. Online source: [en-ca.topographic-map.com](http://en-ca.topographic-map.com)**



▲ **Looking south down Turner Rd. towards the coast**

Through the family take-home survey and in conversations, several Randerson parents noted that the topography of the school's catchment area presents a barrier to active trips to school: the hill makes walking and cycling a strenuous activity; steep grades create safety, speeding and visibility concerns; and curving roads mean that trips often take longer than the distance between two points would suggest.



▲ Looking south across the crosswalk at the intersection of Nelson Rd. and Turner Rd.

## 2.

### Pedestrian crossing safety at the intersection of Turner Rd. and Nelson Rd.

Randerson is situated on the south side of Nelson Rd., a two-lane road that runs between Turner Rd., a minor collector road, to the west, and Rutherford Rd., a major collector road, to the east. Between the school and Turner Rd. there is a sidewalk on only the north side of Nelson Rd. To access this sidewalk, pedestrians approaching Randerson from the southwest must cross Nelson Rd. at its intersection with Turner Rd.

Through the family take-home survey, parents at Randerson expressed concern for the safety of students crossing north-south at the intersection of Turner Rd. and Nelson Rd. There are crosswalk lines painted on the roadway, letdowns on both curbs, and a stop sign controls motor vehicles travelling west on Nelson. However, curb returns on both the north and south sides of the intersection are wide, which increases pedestrian crossing time and distances, reduces both sightlines and visibility, and allows drivers to maintain speed while turning.





▲ **Looking south through the intersection of Nelson Rd. and Turner Rd.**

Parents also raised concerns about the safety of students crossing east-west at the intersection of Turner Rd. and Nelson Rd. Though east-west crossings are not proscribed, Turner Rd. is wide through its intersection with Nelson Rd. and there are no traffic controls or crosswalks to facilitate pedestrian crossings.

Recent nearby infrastructure upgrades should eliminate the need or desire to cross east-west at the intersection of Turner Rd. and Nelson Rd. To the north, pedestrian-activated flashing beacons were recently added to the east-west crosswalk at the intersection of Turner Rd. and Glacier Wy. To the south, the recently completed roundabout at the intersection of Turner Rd. and Linley Valley Dr. features setback crosswalks and pedestrian islands.

## 3.

### Pedestrian safety at roundabouts

Randerson is situated close to two of the City of Nanaimo's roundabouts. One is located at the intersection of Turner Rd. and Linley Valley Dr., west of the school. The other is located at the intersection of Rutherford Rd. and Nelson Rd., east of the school.

Through the family take-home survey and in conversations and meetings at the school, no issue or feature in the catchment area generated more safety concerns than the nearby roundabouts. In particular, parents expressed doubts both that Nanaimo drivers know how to navigate roundabouts properly, and that it is safe for pedestrians to cross the road at a roundabout.



#### ▲ Pedestrian island divide vehicle traffic lanes at the Rutherford roundabout.

The roundabouts constructed near Randerson adhere to best practices with respect to road and pedestrian safety. Crosswalks are set back from the roundabouts and feature pedestrian islands. The City of Nanaimo created an instructional video to help motorists learn how to safely navigate roundabouts: <https://www.youtube.com/watch?v=VeWLITsBCm0>

Moving forward, the City has committed to monitoring conditions at new the roundabout at the



#### ▲ Roundabout at the intersection of Rutherford Rd. and Nelson Rd.

#### ▼ Excerpt from the City of Nanaimo's User Guide for the Rutherford roundabout





intersection of Rutherford Rd. and Nelson Rd. and making adjustments or additions as appropriate.



▲ **The crosswalk east of the exit from Randerson's drop-off loop**

## 4.

### Pedestrian crossings in the school zone

There are two north-south crosswalks in Randerson's school zone: one located at the intersection of Nelson Rd. and Carlton Rd, west of the school; and one located just east of the exit to the school's two-lane drop-off loop. Both crosswalks are signed, marked with zebra stripes, and feature curb extensions. The curb extensions improve the visibility and sightlines of pedestrians waiting to cross and reduce the distance and time they must spend in the roadway.



▲ **The crosswalk at the intersection of Nelson Rd. and Carlton Rd.**

During the walkabout, participants noted that drivers in the school zone frequently failed to yield to pedestrians crossing Nelson Rd. Participants speculated that motor vehicle congestion; driver impatience and inattention; and curbside parking and drop-off near the crosswalks, which reduce the visibility of pedestrians and impede the sightlines of drivers, all contribute to this behaviour.

## 5.

### Absence of pedestrian infrastructure on Carrington Rd. / Carlton Rd.

Carlton Rd. is the closest north-south street to the school, and is the most direct walking route between the Butcher Rd. neighbourhood and the school. However, through the family take-home survey, parents expressed a number of concerns about the safety of pedestrians using this route.

Carlton Rd. is a two-lane residential road that runs north-south between Nelson Rd. to the south and (as Carrington Rd.) Butcher Rd. to the north. The road curves several times along its length and has a few sections that are steeply graded. Carrington Rd. features sidewalks only on its northernmost, and flattest, section near Butcher Rd. Most of Carrington Rd. and all of Carlton Rd. are comprised of two narrow vehicle lanes and bordered by soft shoulders, drainage ditches, lawns or hedges.

Through the family take-home survey, parents noted the combination of narrow roadway, no sidewalks or consistent shoulder, steep grades, high vehicle speeds, and poor sightlines makes Carrington Rd. / Carlton Rd. an unsafe walking route.

City staff noted that Carlton Rd. has been reviewed several times in recent years, but topography and current conditions do not lend themselves to any practical solutions that would address parent concerns. A trail through Rutherford Park bypasses some areas of concern on Carrington Rd. but still requires students to use Carlton Rd. when walking to and from the school.



▲ Walkabout participants on Carlton Rd.

▼ The trail through Rutherford Park deposits students onto Carlton Rd.





▲ **The Oliver Woods Community Centre is less than 500m away from Randerson. Image Credit: Google Maps**

## 6.

### Lack of pedestrian connections between the Oliver Woods neighbourhood and the school

Oliver Woods is the southern-most residential neighbourhood in the Randerson Ridge catchment area. Though the neighbourhood is only 500m away from the school, current routes require families to travel twice that distance or more, on routes that include busy arterial roads, to get to and from Randerson.

At the north end of the Oliver Woods neighbourhood is Oliver Woods park, which features a number of walking trails. Unfortunately, the topography and terrain between the park and the school make establishing an all-weather connection between the two via a pedestrian trail a difficult proposition.

The recently completed Linley Valley Dr. and upgrades to the pedestrian and cycling facilities on Rutherford Rd. have both improved active travel route options between the Oliver Woods neighbourhood and the school. However, both routes are indirect and much longer than the actual distance between the two. And, through the family take-home survey, parents noted a number of safety concerns on both routes, including pedestrian safety at the roundabouts; lack of physical separation on the bike lanes; vehicle speeds on Rutherford Rd.; and the lack of separation between the sidewalk and the roadway on Rutherford Rd.



## 7.

**Lack of pedestrian connections between Bradbury Rd. and the school**

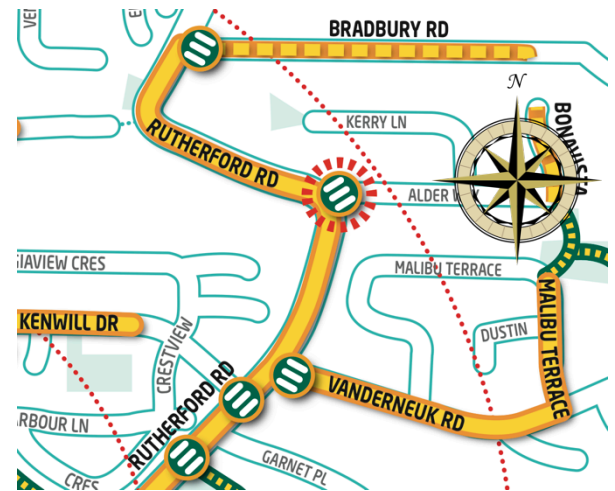
In the summer of 2018, a portion of the Rutherford elementary catchment area was added to the northern end of the Randerson catchment. For many of the families who live in this area, there are currently no attractive walking routes to and from school.



▲ **Looking west towards the crosswalk across Alder Wy. at its intersection with Rutherford Rd.**

Through the family take-home survey, parents raised concerns about Rutherford Rd. These concerns included the high speeds of vehicles travelling along it, the lack of east-west crossing facilities between Hammond Bay Rd. to the north and Kenwill Dr. to the south, and long crossing distances and poor sightlines at intersections with feeder roads, including Alder Way.

The City of Nanaimo recently invested in a number of upgrades to pedestrian facilities on the section of Rutherford Rd. near Linley Valley Drive Park that have made it more attractive to pedestrians. These include pedestrian-activated beacons at the east-west crosswalk at the intersection of Rutherford Rd. and Kenwill Dr., bike lanes and multi-use paths, and an



▲ **Excerpt from Randerson's Best Route to School map showing the walking route from Bradbury Rd. along Rutherford Rd.**

enhanced mid-block crosswalk at the Linley Valley Drive Park trailhead.



- ▲ **New midblock crosswalk across Rutherford Rd. at the Linley Valley Drive Park trailhead.**



- ▲ **Pedestrian crossing beacon at the crosswalk across Rutherford Rd. at Kenwill Dr.**



As of the writing of this plan, city staff were working on a trail network east of Bradbury Rd., and improving current trail connections from Bradbury Rd., both of which will provide improved off-street walking and cycling routes through this area.



▲ The east end of Bradbury Rd.

Over the course of the STP process at Randerson, a number of interventions were undertaken to address barriers to active school travel and encourage walking and cycling trips to school. Education and Engagement interventions inform members of the school community about active transportation; Encouragement interventions encourage students and families to travel actively; Enforcement interventions compel awareness of and compliance with traffic laws and bylaws; and Engineering interventions are physical changes that make walking and cycling safer, more comfortable and more convenient.

Interventions undertaken during the STP process at Randerson are detailed in the section below. Interventions identified that have yet to be undertaken can be found in Randerson's School Travel Action Plan (Appendix A).

## Education and Engagement

### Drive to Five Plus

Drive to Five Plus is a program that encourages parents to drop their children off at designated locations that are a 5-15 minute safe and comfortable walking distance from school. Parents can either park and walk with their kids or drop them off and let them walk alone.



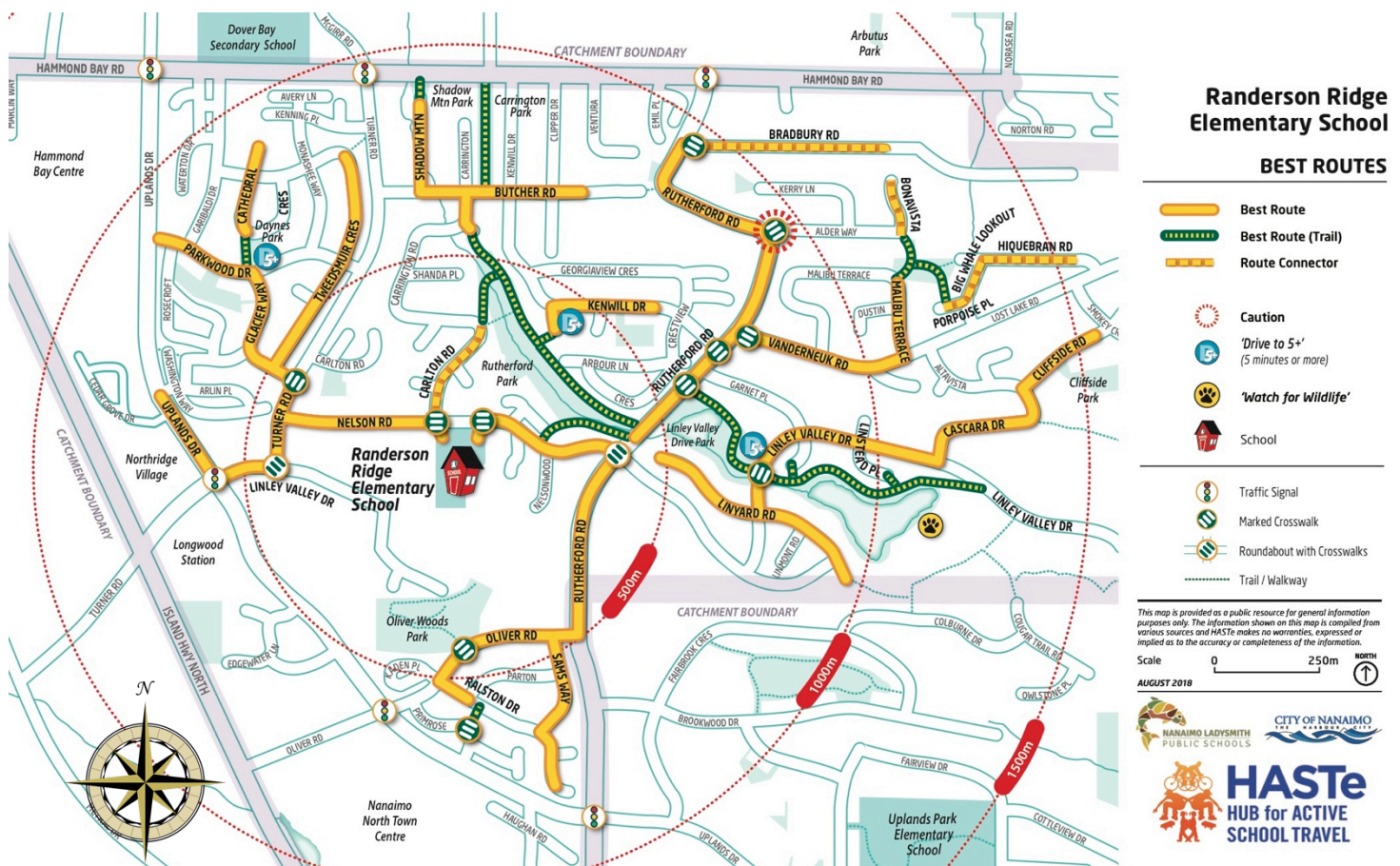
### ▲ The City of Nanaimo installed permanent signs to identify Drive to Five Plus locations around schools

In the spring of 2018, Drive to Five Plus signs were installed in 3 locations in the Randerson catchment area. The locations were

selected for their proximity to the school, the access they provide to popular walking routes, and the availability of parking.

### Best Route to School Maps

A Best Routes to School Map (Appendix B) was developed for Randerson based on information from the family take-home surveys, the walkabout, and consultation with the school community as well as other stakeholders. The map shows the best existing walking and cycling routes to school through the Randerson catchment and should be updated as infrastructure changes and improves.



### ▲ Best Route to School Map for Randerson



## Engineering

### The Rutherford Roundabout

In the spring of 2018, the City of Nanaimo completed construction on a multi-lane roundabout at the intersection of Nelson Rd. and Rutherford Rd. The roundabout adheres to best practices with respect to road and pedestrian safety. Crosswalks are set back from the roundabout and feature pedestrian islands.



▲ **A walkabout participant observes the final stages of construction on the Rutherford Roundabout.**

Moving forward, the City has committed to monitoring conditions at new the roundabout at the intersection of Rutherford Rd. and Nelson Rd. and making adjustments or additions as appropriate.

### Enhanced Crosswalk at the Intersection of Turner Rd. and Glacier Wy.

During the summer of 2018, the City of Nanaimo added pedestrian activated flashing beacons to the east-west crosswalk at the intersection of Turner Rd. and Glacier Wy. The crossing beacons will increase the visibility of the crosswalk to drivers on Turner Rd. and should increase compliance by drivers, and improve the comfort and safety of pedestrians, at the crosswalk.



▲ Pedestrian crossing beacons at the intersection of Turner Rd. and Glacier Wy.



▲ Pedestrian crossing beacons at the intersection of Turner Rd. and Glacier Wy.



The formal STP process ends with the completion of the School Travel Plan – but implementation is just getting started. It is important that stakeholders continue to implement and update the School Travel Action Plan. Parent volunteers, students, teachers, and Principals can lead implementation at the school level.

Recently, the City of Nanaimo has made a number of active transportation infrastructure improvements in the Randerson catchment area. Many of these improvements are captured in the 2006 Safer School Travel Program Status Update, included as Appendix F to this document. Moving forward, the City should continue to analyse, prioritize, and make improvements around the school; monitor progress; and engage directly with the school community when possible. The School Travel Plan should be considered when developing other community plans or projects that may have an impact on school travel.

Follow-up school travel data will be collected in the winter of 2019. Results and findings will be discussed with the steering committee, and the School Travel Plan will be updated with the results and any other changes. Families will be notified of the results via the school's newsletter.

## School Travel Planning Members

The STP process at Randerson involved members of the School Travel Planning school committee and the Municipal Steering committee. Key members of each committee are listed below.

### School Committee

Principal: Darren Brick

PAC Chair: Tracey Dent

Parent: Tanya Evans

### Municipal Steering Committee

City of Nanaimo Manager of Transportation: Jamie Rose

City of Nanaimo Transportation Engineer: Annalisa Fipke

City of Nanaimo Open Space Planner: Kristy Macdonald

SD68 Director of Facilities: Pete Sabo

SD68 Capital Projects Coordinator: Chris Baker

SD68 Executive Director of Communications: Dale Burgos

RCMP School Liaison Officer: Misty Dmytar

RCMP School Liaison Officer: Terry Crawford

BC Transit / RDN Superintendent of Transit Planning: Erica Beauchamp

ICBC Road Safety Coordinator: Caroline Robinson

Appendix A: School Travel Action Plan

Appendix B: Best Routes to School Map

Appendix C: Hands-up Survey

Appendix D: Family Take-home Survey

Appendix E: Baseline Survey Heat Map

Appendix F: Safer School Travel Program 2006 Status Update

## Appendix A

### Transportation Action Plan: RANDERSON RIDGE ELEMENTARY

Last updated: 13/12/2018

STP Facilitator

Location	Action	Description	Timeframe	Priority	Status
<b>Drive to Five Plus Plus program.</b> <b>Locations:</b> <b>1. Rutherford Rd – Ravine Trail</b> <b>3. Kenwill Dr</b> <b>4. Linley Valley Dr</b>	Assist Pac/Active Travel Committee in creating a Drive to Five Plus Plus campaign	Provide resources such as Best Routes Map and communications pieces to ATC and Administration to promote locations to families. Work with stakeholders to ensure use of space is allowed.	Nov-18	HIGH	In progress
	Baseline data collection	Conduct week-long data collection with in-class, 'hands-up' surveys and take-home survey for families.	Feb-18	LOW	Complete
	Bike to School Week 2018	Assist PAC/Active Travel Committee with event planning, accessing resources and developing promotional materials for event.	Apr-18	HIGH	Complete
	Conduct school ground and neighbourhood walkabout	Organize school ground and neighbourhood walkabout to observe barriers to active transportation and develop solutions.	Feb-18	LOW	Complete
<b>School Grounds</b>	Improve bicycle parking facilities	Provide SD68 with ideas for improving bicycle parking on school sites.	May-18	MED	Complete
<b>School website</b>	Transportation webpage on school website	Provide text and graphic content for active travel webpage on schools' website.	Feb-18	MED	Complete
	Write Action Plan	Write action plan based on information gathered through take-home surveys, walkabout discussion and meetings. Write actions for each stakeholder.	Mar-18	HIGH	Complete

Location	Action	Description	Timeframe	Priority	Status
<b>Active Travel Mural</b>	Create wheat paste mural	Facilitate TD Artist in School program between program, school and other stakeholders.	Nov-18	HIGH	In progress

**School: Administration and Active Travel Committee/PAC**

Location	Action	Description	Timeframe	Priority	Status
<b>Drive to Five Plus program. Locations:</b> <b>1. Rutherford Rd – Ravine Trail</b> <b>2. Kenwill Dr</b> <b>3. Linley Valley Dr</b>	Assist Pac/Active Travel Committee in creating a Drive to Five Plus program	Promote Drive to Five Plus locations through communication channels and special promotional event. Work with various stakeholders to ensure use of locations is allowed	Sept-18	HIGH	In progress
	Attend school ground and neighbourhood walkabout	Attend school ground and neighbourhood walkabout to observe barriers to active transportation and develop solutions	Feb-18	HIGH	Complete
	Baseline data collection	Hand out and collect hands up surveys from staff. Send home surveys with communications about deadline and how to participate. Collect returned surveys.	Mar-18	HIGH	Complete
<b>North-south crosswalk on Nelson St east of drop loop exit</b>	Crossing Guard	Request a crossing guard for the identified crossing location	Nov-18	MED	In progress
<b>North-south crosswalk on Nelson St east of drop loop exit</b>	Student safety patrol	Consider implementation of the Student Safety Patrol program to facilitate safe crossings at North-south crosswalk on Nelson St east of drop loop exit	Dec-18	MED	In progress
	Review Action Plan	Review and provide feedback to action plan items for administration.	Nov-18	HIGH	In progress
	Participate in Bike to School Week	Organize celebratory events during Bike to School Week, track student participation. Send out promotional and awareness information to parents.	Apr-18	HIGH	Complete



Location	Action	Description	Timeframe	Priority	Status
	participation				
	Review Action Plan	Review and provide feedback to action plan items for PAC/Active Travel Committee.	Apr-18	HIGH	In progress
<b>Active Travel Mural</b>	Create wheat paste mural	Work with STP Facilitator and TD Artist in School program to create a wheat paste mural around the school promoting active travel and educating students on roundabout safety.	Nov-18	HIGH	In progress

#### School District 68

Location	Action	Description	Timeframe	Priority	Status
	Attend school ground and neighbourhood walkabout	Attend school ground and neighbourhood walkabout to observe barriers to active transportation and develop solutions.	Mar-18	HIGH	Complete
	Data Collection	Review and edit take-home survey questions before print.	Feb-18	LOW	Complete
	Improve bicycle parking facilities	Explore ways to improve and increase bicycle parking amenities on school sites.	Sept-18	MED	Complete
<b>Action Plan</b>	Review Action Plan	Review and provide feedback to action plan items for School District 68.	Apr-18	HIGH	Complete
<b>School website</b>	Webpage on school website	Upload webpage featuring information and encouragement for using active transportation modes for school travel.	Feb-18	MED	Complete

#### City of Nanaimo

Location	Action	Description	Timeframe	Priority	Status
<b>Bonavista Pl.</b>	Improve pedestrian facilities	Determine whether the pedestrian pathway between Bonavista Pl. to the south and Bradbury Rd. to the north can be improved and formalized.	Sept-18	MED	In progress

Location	Action	Description	Timeframe	Priority	Status
<b>Carlton Rd between Rutherford Park and Nelson St</b>	Improve pedestrian safety	Install sidewalk where possible as part of land re-development or other capital project on Carlton Rd.	Long term	MED	In progress
	Attend school ground and neighbourhood walkabout	Attend school ground and neighbourhood walkabout to observe barriers to active transportation and develop solutions.	Mar-18		Complete
<b>Intersection of Kenwill Dr and Butcher Rd</b>	Improve pedestrian crossing facilities	Review intersection to determine whether an east-west crosswalk on the south side of Kenwill Dr and Butcher Rd is warranted.	Sept-18	MED	In progress
<b>Intersection of Carrington Rd and Butcher Rd</b>	Improve pedestrian crossing facilities	Review intersection to determine whether a north-south crosswalk on the east side of Carrington Rd and Butcher Rd is warranted.	Sept-18	MED	In progress
<b>Intersection of Rutherford Rd and Nelson St</b>	Improve pedestrian crossing facilities	Monitor pedestrian safety conditions at the newly installed roundabout and consider enhancements, such as pedestrian activated beacons, if warranted.	Ongoing	HIGH	In progress
<b>Rutherford Rd at the Linley Valley Drive Park trailhead</b>	Improve pedestrian crossing facilities	Monitor pedestrian safety conditions at the newly installed mid-block crosswalk.	Ongoing	MED	In progress
<b>Intersection of Nelson St and Turner Rd</b>	Improve pedestrian crossing facilities	Improve the safety and comfort of pedestrians crossing north-south at this intersection by improving the curb and or sidewalk on the east side of the intersection as part of other capital projects at this location.	Long term	MED	Not started
<b>North-south crosswalk on Nelson St east of drop loop exit</b>	Improve pedestrian crossing facilities	Conduct a traffic count and explore means of improving driver compliance with yielding to pedestrians in crosswalk.	Sept-18	MED	In progress
	Review Action Plan	Review and provide feedback to action plan items for City of Nanaimo, Transportation.	Apr-18		Complete

Location	Action	Description	Timeframe	Priority	Status
<b>Drive to Five Plus program locations:</b> 1. Rutherford Rd – Ravine Trail 2. Kenwill Dr 3. Linley Valley Dr	Support 'Drive to Five Plus' program	Create and install signage at identified Drive to Five Plus locations.	Oct-18		Complete

RCMP/Police

Location	Action	Description	Timeframe	Priority	Status
	Attend school ground and neighbourhood walkabout	Attend school ground and neighbourhood walkabout to observe barriers to active transportation and develop solutions.	Mar-18	HIGH	Complete
<b>Intersection of Rutherford Rd and Linley Valley Rd at the round-about</b>	Run 'Think of Me' Campaign	Execute 'Think of Me' campaign in partnership with ICBC and Active Travel Committee.	Oct-18	HIGH	Complete

ICBC

Location	Action	Description	Timeframe	Priority	Status
<b>Intersection of Rutherford Rd and Linley Valley Rd at the round-about</b>	Conduct 'Think of Me' campaign	Execute 'Think of Me' campaign in partnership with RCMP and Active Travel Committee.	Oct-18	MED	Complete
<b>Local school neighbourhood</b>	Attend school ground and neighbourhood walkabout	Attend school ground and neighbourhood walkabout to observe barriers to active transportation and develop solutions.	Mar-18	HIGH	Complete





# Randerson Ridge Elementary School

## BEST ROUTES

- Best Route
- Best Route (Trail)
- Route Connector

- Caution
- 'Drive to 5+'  
(5 minutes or more)
- 'Watch for Wildlife'
- School

- Traffic Signal
- Marked Crosswalk
- Roundabout with Crosswalks
- Trail / Walkway

This map is provided as a public resource for general information purposes only. The information shown on this map is compiled from various sources and HASTE makes no warranties, expressed or implied as to the accuracy or completeness of the information.

Scale 0 250m NORTH  
AUGUST 2018





## HANDS-UP SURVEYS

Please complete this survey, using stand-up or hands-up methods (ask students to raise their hand's or divide in separate corners of the classroom) for the week of:

**Monday February 5<sup>th</sup> – Friday February 9<sup>th</sup> 2018**

Teacher: \_\_\_\_\_ Grade: \_\_\_\_\_ Division #: \_\_\_\_\_ # Students: \_\_\_\_\_

***Ask students: "How did you travel to school this morning?"***

	<i>Weather</i>	<b>Walked / scooter</b>	<b>Walked part-way*</b>	<b>Bicycle</b>	<b>School Bus</b>	<b>Public Transit</b>	<b>Carpool (2 or more families)</b>	<b>Car (Just my family)</b>	<b>Other?</b>	<b>Total</b>
<b>Mon</b>	Example: Rainy/6C									
<b>Tues</b>										
<b>Wed</b>										
<b>Thur</b>										
<b>Fri</b>										
<b>Total</b>										
<b>Avg=Total/5 not for teachers</b>										

***Ask students: "How will you travel from school today?"***

	<i>Weather</i>	<b>Walked / scooter</b>	<b>Walked part-way*</b>	<b>Bicycle</b>	<b>School Bus</b>	<b>Public Transit</b>	<b>Carpool (2 or more families)</b>	<b>Car (Just my family)</b>	<b>Other?</b>	<b>Total</b>
<b>Mon</b>	Example: Rainy/6C									
<b>Tues</b>										
<b>Wed</b>										
<b>Thur</b>										
<b>Fri</b>										
<b>Total</b>										
<b>Avg=Total/5 not for teachers</b>										

Walked part-way = \*Walked at least one entire block. (e.g. Park & Walk or Drive to Five)





Dear Parent (Guardian):

February 13<sup>th</sup>, 2018

Randerson Ridge Elementary is taking part in City of Nanaimo's School Travel Planning process this school year to address school transportation concerns and encourage and support more students to walk, scooter or cycle on their journey to and from school.

The benefits of active school travel include:

- Increased safety
- Improved health
- Arriving alert and ready to learn
- Less stress, greater happiness
- Less pollution

Please take 8 to 10 minutes with your child(ren) who attend this school to complete this survey. This survey will help to better understand the travel choices made by families at Randerson Ridge Elementary with the purpose of improving the safety and health of the school community. **You only need to submit one survey per family and return it by February 16<sup>th</sup>, 2018.**

If you have any questions about the survey or the School Travel Planning project, please contact: Lise Richard at [lise@hastebc.org](mailto:lise@hastebc.org)

Thank you,

Darren Brick  
Principal



***To protect your privacy*** this survey does not require you to provide your name. *All information will be kept strictly confidential.*

## A. Family Transportation Survey

Please include the date (month/day/year) that you filled this survey out

(e.g. February / 7 / 2018): \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_

**Please complete ONE survey per family.**

1. How does your child(ren) usually get to and from school?  
(If two modes are common, e.g. *walking* and *driving*, choose the one they do most often.)

### CHOOSE ONLY ONE BOX FROM EACH COLUMN

	TO school	FROM school
Walk / Scooter / Skate	<input type="checkbox"/>	<input type="checkbox"/>
Walk part-way (at least one entire block)	<input type="checkbox"/>	<input type="checkbox"/>
Bicycle	<input type="checkbox"/>	<input type="checkbox"/>
School bus	<input type="checkbox"/>	<input type="checkbox"/>
Public transit (BC Transit)	<input type="checkbox"/>	<input type="checkbox"/>
Carpool (2 or more families)	<input type="checkbox"/>	<input type="checkbox"/>
Car (just your family)	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>

If Other  
(explain) \_\_\_\_\_

2. Who usually accompanies your child on the way to school?  
☐ Parent /Grandparent   ☐ Other Adult   ☐ Sibling   ☐ Friend   ☐ Child travels alone
3. How far away from school do you live? If you are not sure, check Google Maps.  
☐ Less than 0.5 km   ☐ 0.51 to 1.59 km   ☐ 1.6 to 3 km  
☐ 3 km to 4.8 km   ☐ Over 4.8 km
4. What language does your family speak at home?  
☐ English   ☐ Japanese   ☐ Mandarin/Cantonese/Chinese   ☐ Spanish   ☐ Vietnamese  
☐ Other: \_\_\_\_\_

5. Please fill in the age of your child(ren) attending this school.

Child	Age
1	
2	
3	
4	

6. Our neighbourhood is safe for children to walk to and from school. (Please circle one answer).

STRONGLY AGREE      AGREE      DISAGREE      STRONGLY DISAGREE

**ONLY ANSWER Questions 7-9 if your child(ren) are usually driven to or from school. If not, please skip to question 10**

7. What are the main reasons your child(ren) is/are **usually** driven to/from school?  
(Choose up to three)

- ☐ Distance from home too far
- ☐ Convenience/time pressures
- ☐ Traffic safety concerns
- ☐ Personal safety issues (e.g. bullying, stranger danger, etc.)
- ☐ I'm on my way somewhere else (e.g. to work)
- ☐ Weather
- ☐ Other (explain)\_\_\_\_\_

8. I would allow my child(ren) to **walk** to school if... (choose up to three)

- ☐ He or she did not walk alone
- ☐ There was a better walking route
- ☐ There were reduced traffic safety concerns
- ☐ He or she were older
- ☐ He or she did not live so far from school
- ☐ Other (explain)\_\_\_\_\_

9. I would allow my child(ren) to **cycle** to school if... (choose up to three)

- ☐ They did not cycle alone
- ☐ There was a better cycling route
- ☐ There were reduced traffic safety concerns
- ☐ They were older
- ☐ They did not live so far from school
- ☐ They received bicycle safety training
- ☐ They could lock their bicycle in a safe place

☐ Other (explain)\_\_\_\_\_

**Everyone continue at question 10 below**

10. Please share any further comments about your child's journey to and from school.

---

---

---

---

11. Do you support ongoing School Travel Planning efforts to make the school area safer, healthier and better connected to the community, reducing the number of children travelling to and from school by car?

☐ YES

☐ NO

12. If you would like to help with School Travel Planning efforts at your school (for example attend Parent Advisory Council (PAC) Meetings or the school Walkabout), please provide your name, email and telephone (Optional: if you prefer to be called) below:

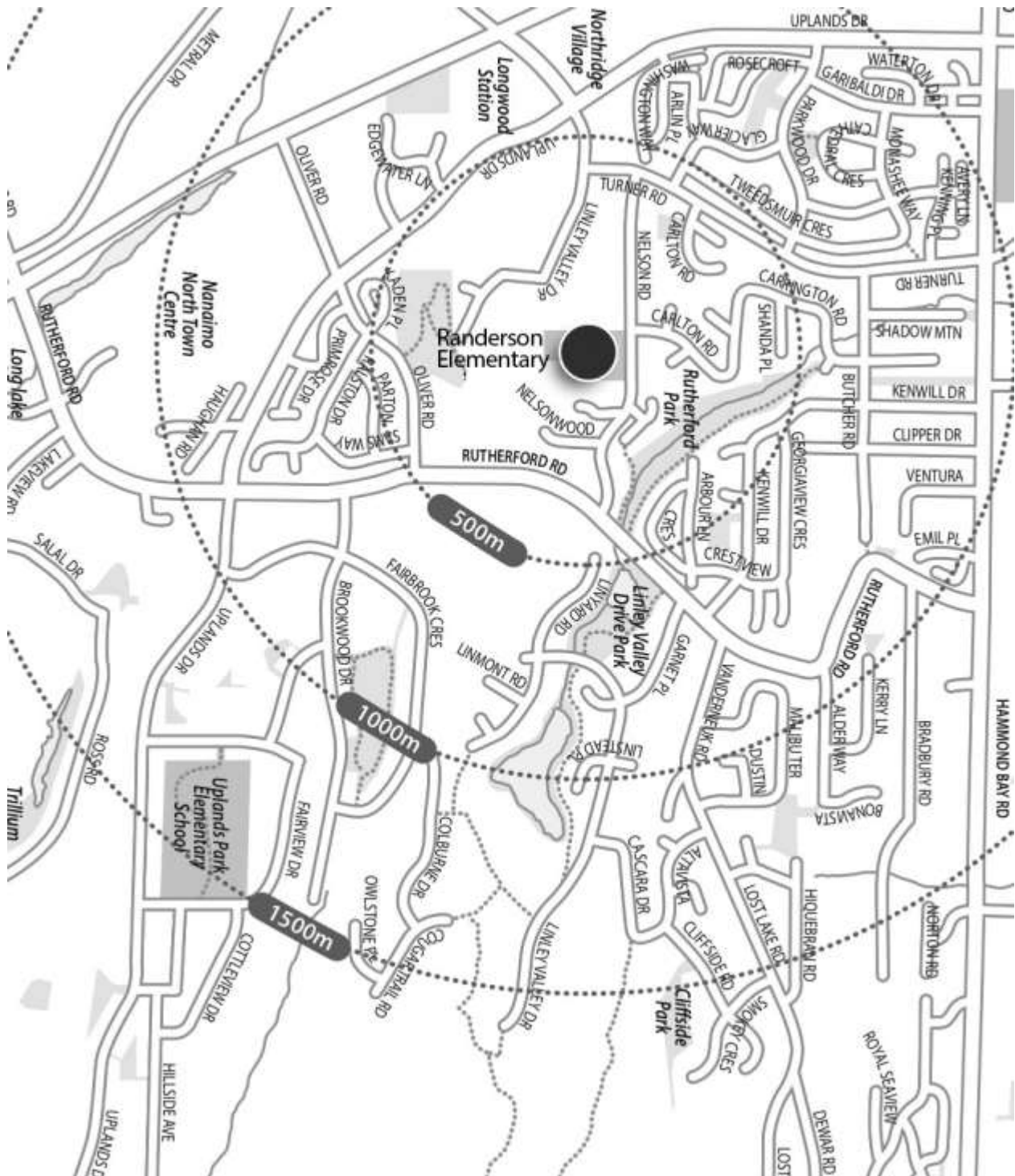
---

---

## B. Walking / Cycling Routes to School

### MAPPING EXERCISE: FOR PARENTS & STUDENTS TO ANSWER AS A FAMILY

Please complete the following map with the **WALKING** or **CYCLING** route your child/children take to get to and from School. If you usually drive please indicate the route **you would** walk or cycle. Identify any locations that are of concern to you with a number (e.g. 1, 2, 3) and describe these in the table below.





Describe any areas of concern in this table.

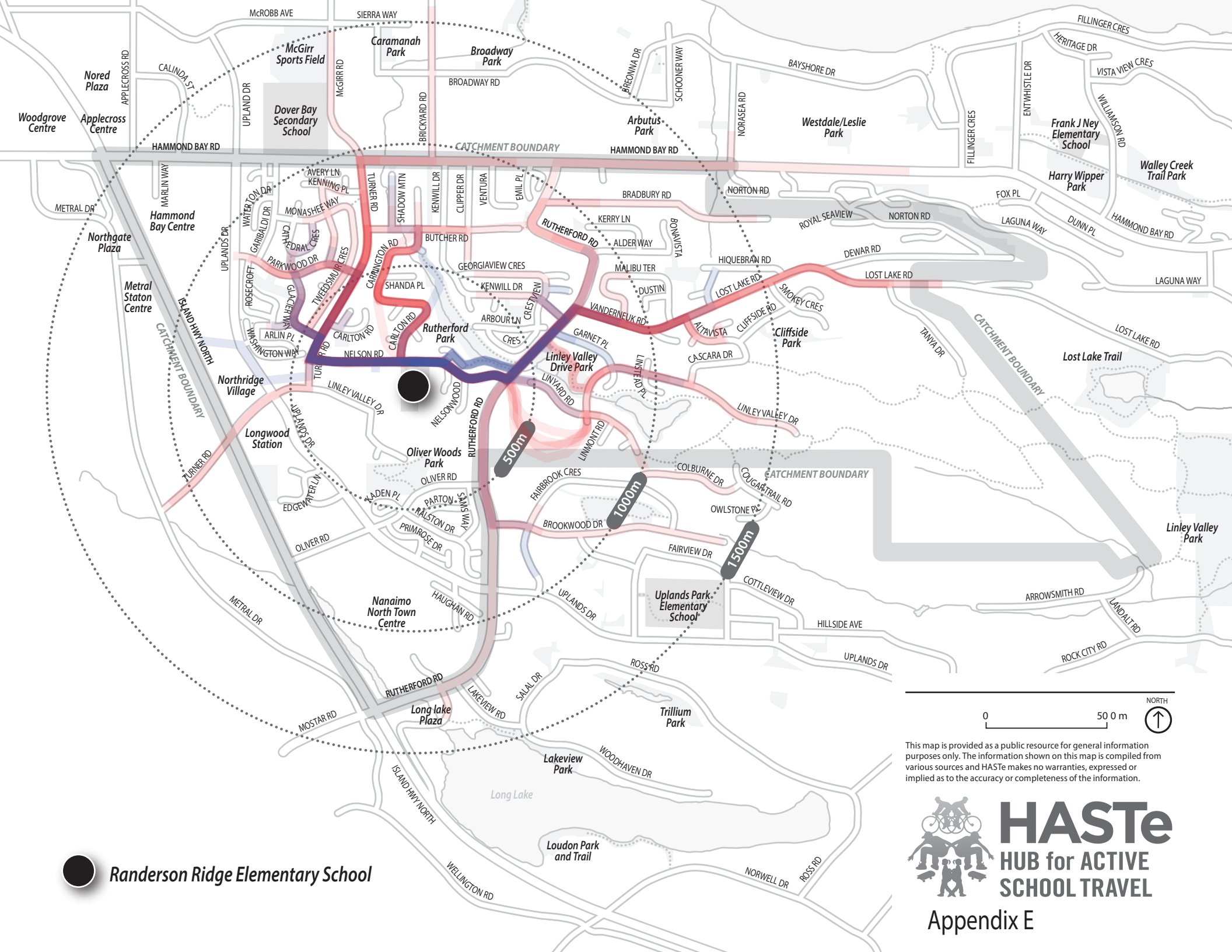
Location (e.g. nearest intersection)	What do you think is unsafe in this area?
E.g. on ___Rd near ___St	E.g. Cars turn right without looking for pedestrians.
1.	
2.	
3.	

**THANK YOU FOR YOUR TIME. PLEASE HAVE THIS SURVEY COMPLETED ON  
THIS SHEET AND RETURNED TO SCHOOL BY FEBRUARY 16<sup>TH</sup>, 2018**

HASTe BC (The Hub for Active School Travel) is the provincial lead for School Travel Planning in British Columbia: ([www.hastebc.org](http://www.hastebc.org))

School Travel Planning in Nanaimo is sponsored by the City of Nanaimo ([www.nanaimo.ca](http://www.nanaimo.ca)) and Nanaimo Ladysmith Public Schools ([www.sd68.bc.ca](http://www.sd68.bc.ca))





**Randerson Ridge Elementary School**



This map is provided as a public resource for general information purposes only. The information shown on this map is compiled from various sources and HASTe makes no warranties, expressed or implied as to the accuracy or completeness of the information.



Appendix E