



# Bellevue Neighborhood Traffic Safety Project

## Tyee Middle School & Eastgate Community

### Traffic Safety Survey Analysis

#### **Survey Participants**

The survey yielded 118 responses from participants who live near, travel by, and/or have children who attend Tyee Middle School (TMS). Sixty-three percent (63%) of respondents live near TMS, compared to 44% who live near Newport Heights Elementary School and 42% near Newport High School. Of survey respondents, 51% have children attending a school in the area.

#### **Transportation Modes**

Children's transportation modes to and from school differ from the overall transportation modes of the adult survey participants, with students incorporating more active travel (walking, biking, etc.) into their routines compared to adults in the area.

#### **Student Transportation Modes**

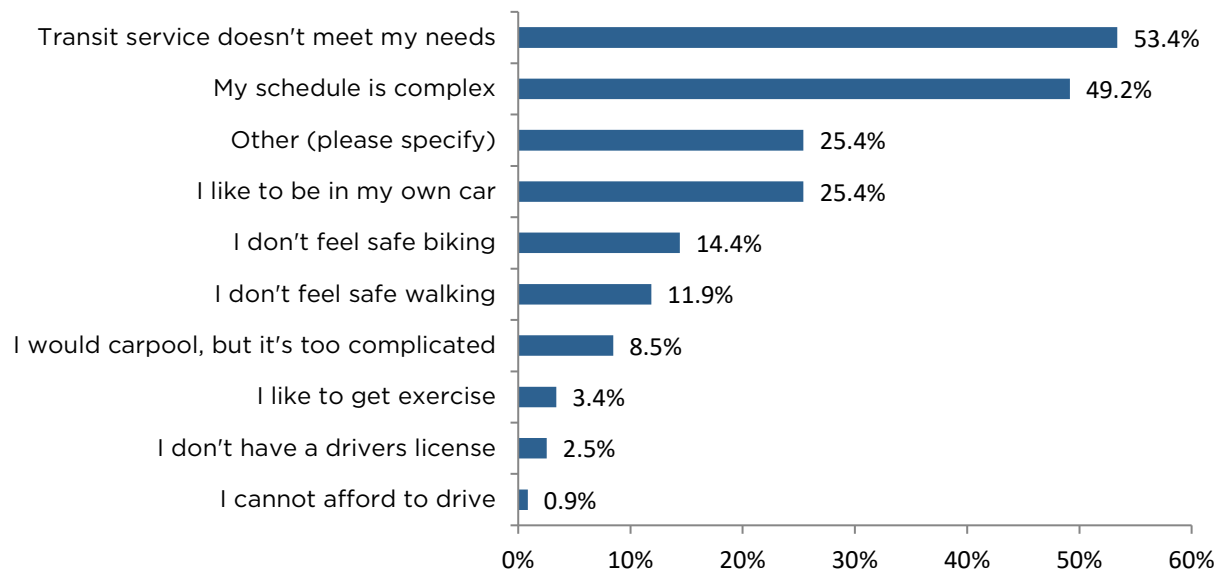
Forty-seven percent (47%) of survey participants who have children in school drive their children to school. Children who do not receive rides from their family either walk (11%), take the school bus (7%), carpool (3%) and/or bicycle (2%). No survey respondents reported their children take public transit. Some high school age children drive themselves to their schools.

### Adult Transportation Modes

Ninety-one percent (91%) of adult survey participants rely on driving their personal vehicle for the majority of their transportation trips, whereas 3% rely on public transit, 3% walk, and 3% carpool. No respondents bike. Of the adults who drop their children at school using their personal vehicle, 43% proceed to work, 35% return home, 12% drop off another child at a different school and 6% run errands.

The respondent's primary reasons for relying heavily on personal vehicles include feeling that transit service does not meet their needs (53%), having complex schedules (49%), liking being in their own car (25%), and not feeling safe biking (14%) or walking (12%). See figure A for further details.

Figure A Mode Choice Rationale: Why is your response to Question 4 the most common for you?  
(Select your top three reasons)

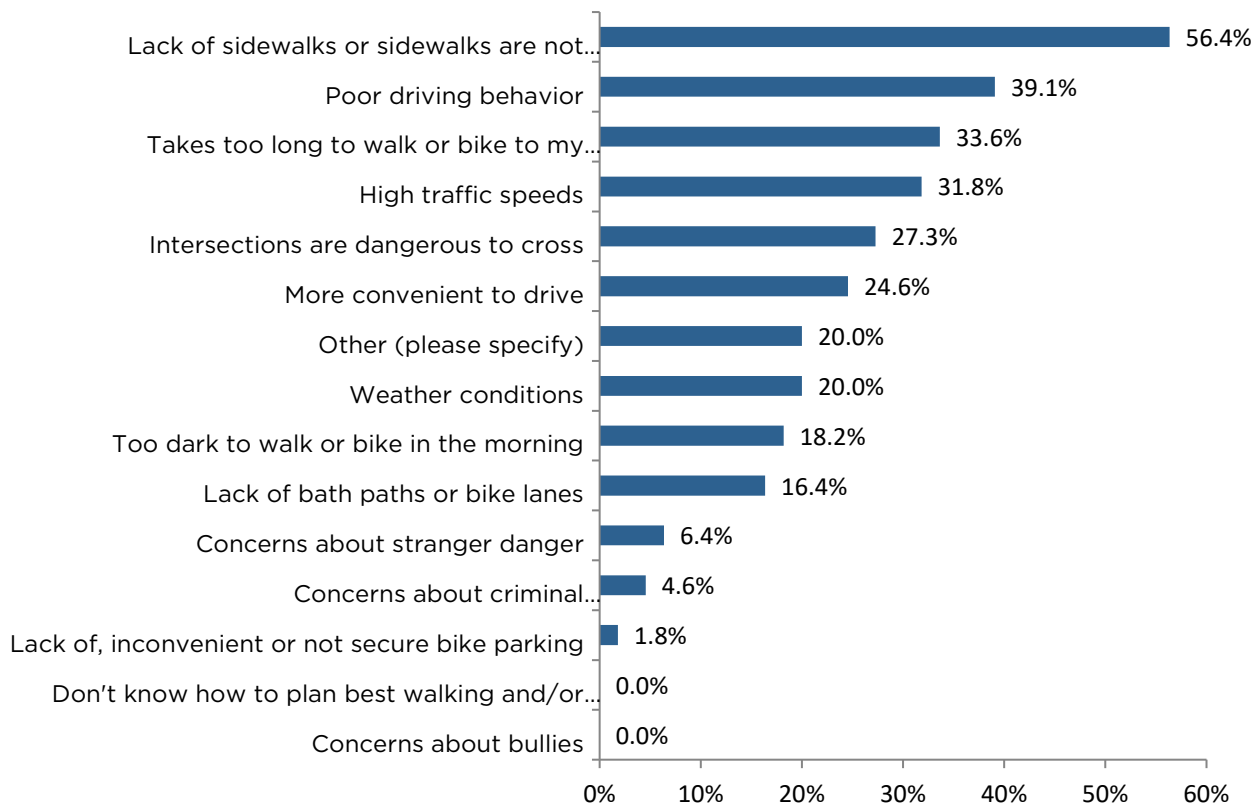


## Areas of Concern

The survey asked participants to identify three main challenges to walking or biking in the Eastgate neighborhood around Tye Middle School. The five most commonly cited concerns include (Figure B):

- Lack of sidewalks or that sidewalks are not continuous (56%)
- Poor driving behavior (39%)
- Takes too long to walk or bike to destinations (34%)
- High traffic speeds (32%)
- Intersections are dangerous to cross (27%)

Figure B: What are the main challenges to walking or biking in your neighborhood? (Select your top three concerns)



When asked to identify three locations posing the highest safety concerns in the areas proximate to the school, 58% cited the intersection of the main school driveway and SE Allen Road and 55% selected the vicinity of Edgebrook Swim Club Driveway on SE Allen Road. The third most common concern was the intersection of SE 40<sup>th</sup> St and 138<sup>th</sup> AVE SE (42%) followed by the east side of the school property on 138<sup>th</sup> AVE SE between SE 40<sup>th</sup> ST and SE Allen Rd (32%). Refer to Figure C for further prioritization of areas of concern.



## Community Suggestions

Fifty-nine participants provided comments or suggestions about student transportation and safe walking and biking in their neighborhood. Car traffic and speeding along SE Allen Rd were the most common concerns, especially as a risk to students and residents walking along this road without sidewalks. In addition to pedestrian concerns along Allen Road, survey participants noted concern about the lack of continuous sidewalks along SE Newport Way connecting the school, library and community center.

The traffic circle intersection of SE 40<sup>th</sup> St and 138<sup>th</sup> AVE SE was commonly cited as another point of concern, where individuals fail to yield or slow. Respondents posed various solutions to this intersection, including reverting to the four-way stop, adding flashing lights and/or lit cross walks, and clearly marking right of ways.

Other suggestions include increasing lighting, specifically on Allen Road between 138<sup>th</sup> AVE SE and 140<sup>th</sup> AVE SE, creating dedicated bike lanes and inviting police to enforce traffic laws during morning drop off.

**Figure D Word Cloud:** Do you have any other comments or suggestions about student transportation or safe walking and biking in your neighborhood?

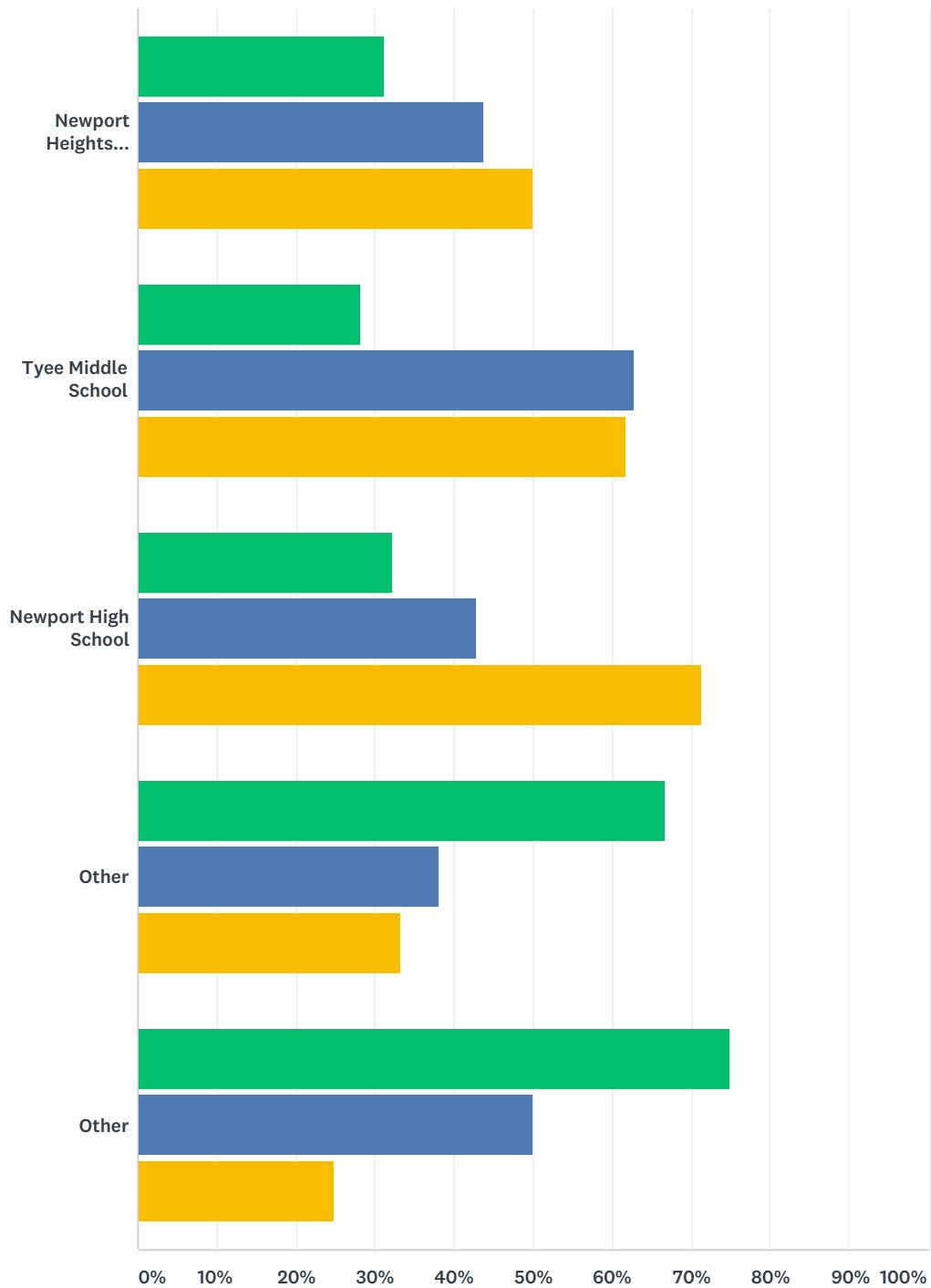


## Appendix: Survey Results

Survey results listed by question starting on page 6.

# Q1 Which school(s) do you travel to, live nearby, or travel close by? (Select all that apply)

Answered: 118 Skipped: 0



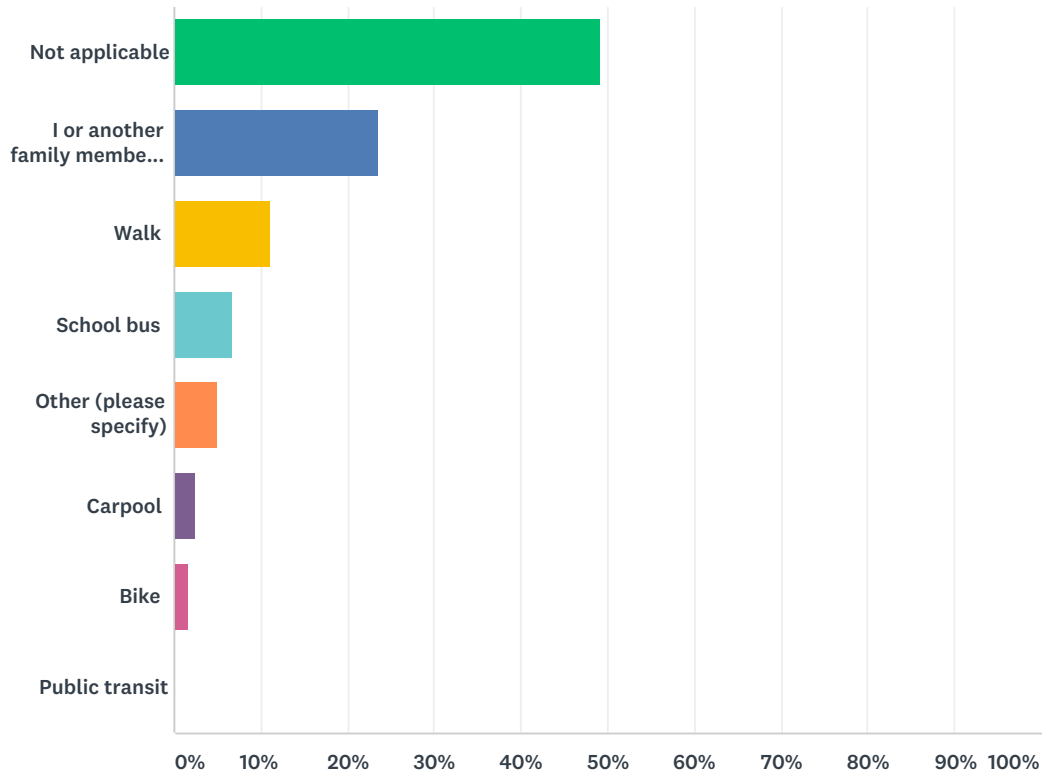
■ My child/children attends this school ■ My family lives near this school  
■ My family travels near this school

## Tye Middle School & Eastgate Community Traffic Safety Survey

	MY CHILD/CHILDREN ATTENDS THIS SCHOOL	MY FAMILY LIVES NEAR THIS SCHOOL	MY FAMILY TRAVELS NEAR THIS SCHOOL	TOTAL RESPONDENTS
Newport Heights Elementary	31.25% 5	43.75% 7	50.00% 8	16
Tye Middle School	28.18% 31	62.73% 69	61.82% 68	110
Newport High School	32.14% 27	42.86% 36	71.43% 60	84
Other	66.67% 14	38.10% 8	33.33% 7	21
Other	75.00% 3	50.00% 2	25.00% 1	4

## Q2 If you have a child attending one or more schools listed in Question 1, how does your child most commonly get to and from school?

Answered: 118 Skipped: 0

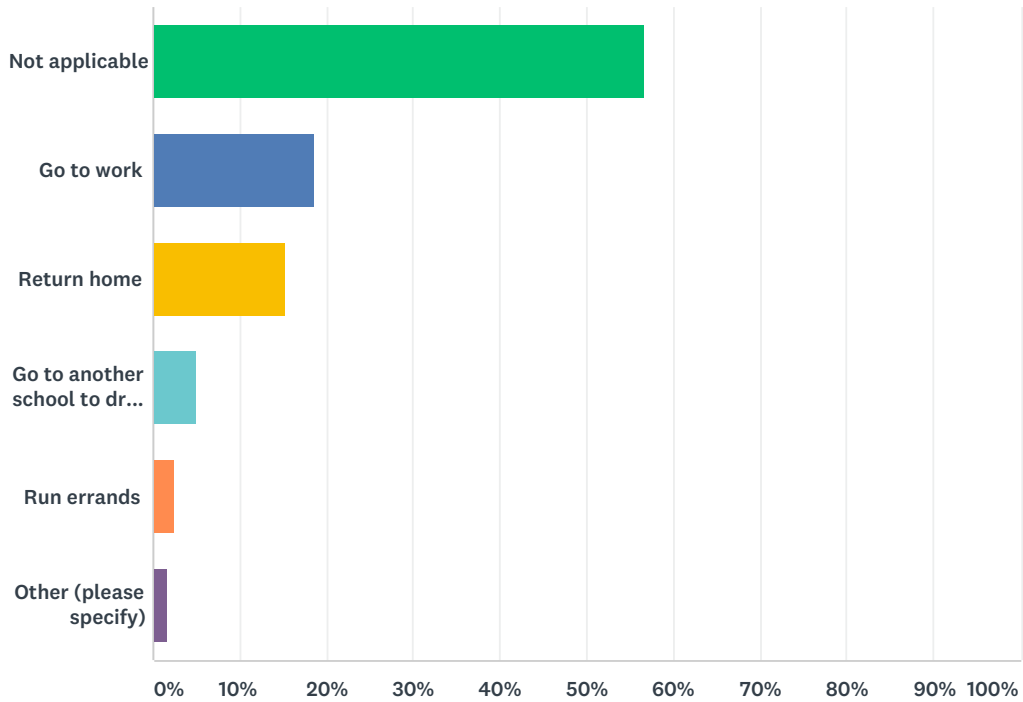


ANSWER CHOICES	RESPONSES	
Not applicable	49.15%	58
I or another family member drives my child to school	23.73%	28
Walk	11.02%	13
School bus	6.78%	8
Other (please specify)	5.08%	6
Carpool	2.54%	3
Bike	1.69%	2
Public transit	0.00%	0
<b>TOTAL</b>		<b>118</b>



### Q3 If you or a family member drives your child to school, what do you/family member do after the morning drop-off?

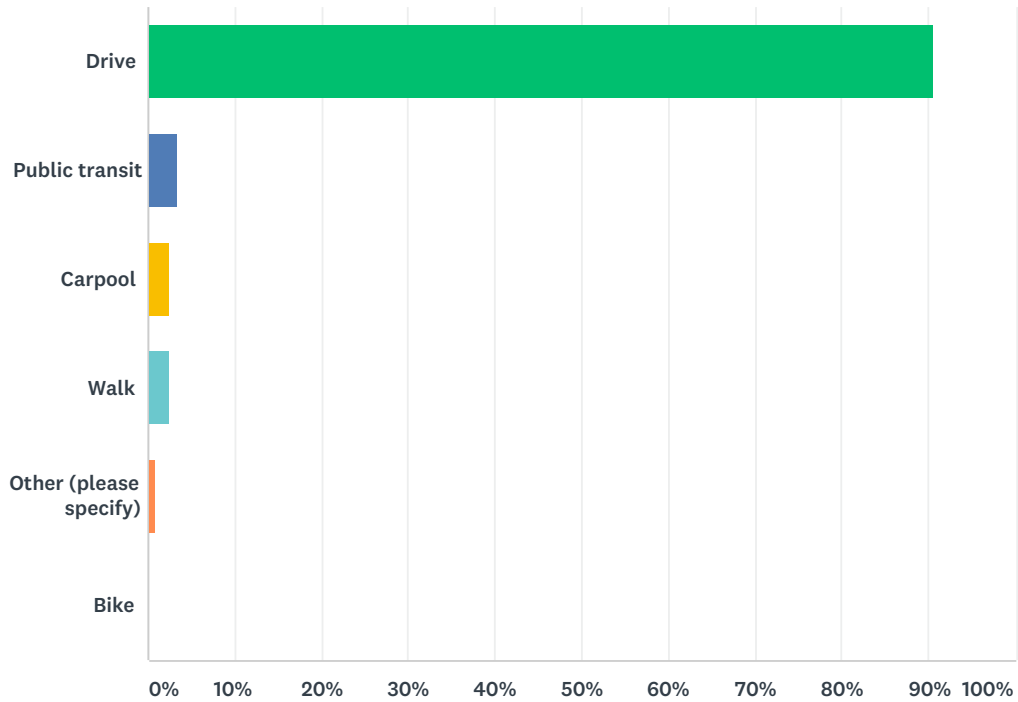
Answered: 118 Skipped: 0



ANSWER CHOICES	RESPONSES	
Not applicable	56.78%	67
Go to work	18.64%	22
Return home	15.25%	18
Go to another school to drop off another child	5.08%	6
Run errands	2.54%	3
Other (please specify)	1.69%	2
<b>TOTAL</b>		<b>118</b>

## Q4 For the majority of your other transportation trips, what mode do you most commonly use?

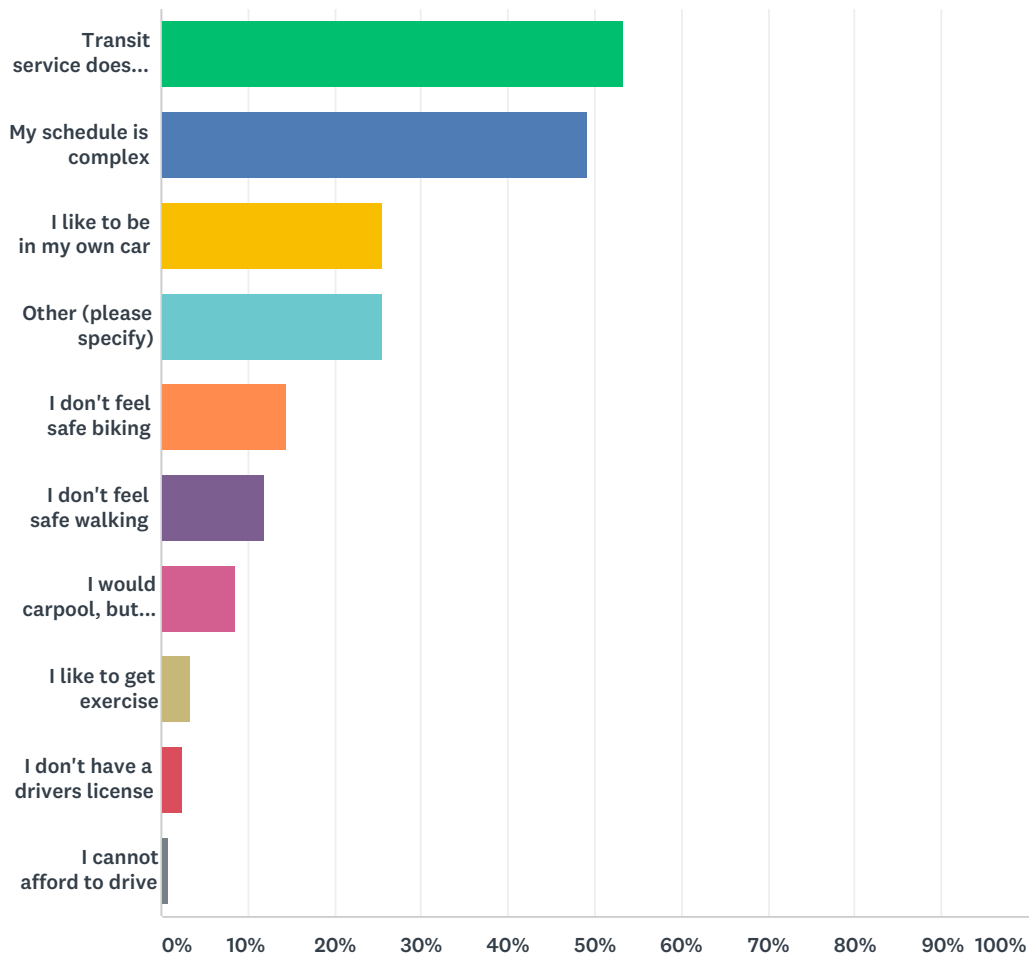
Answered: 118 Skipped: 0



ANSWER CHOICES	RESPONSES	
Drive	90.68%	107
Public transit	3.39%	4
Carpool	2.54%	3
Walk	2.54%	3
Other (please specify)	0.85%	1
Bike	0.00%	0
<b>TOTAL</b>		<b>118</b>

## Q5 Why is your response to Question 4 the most common for you? (Select your top three reasons)

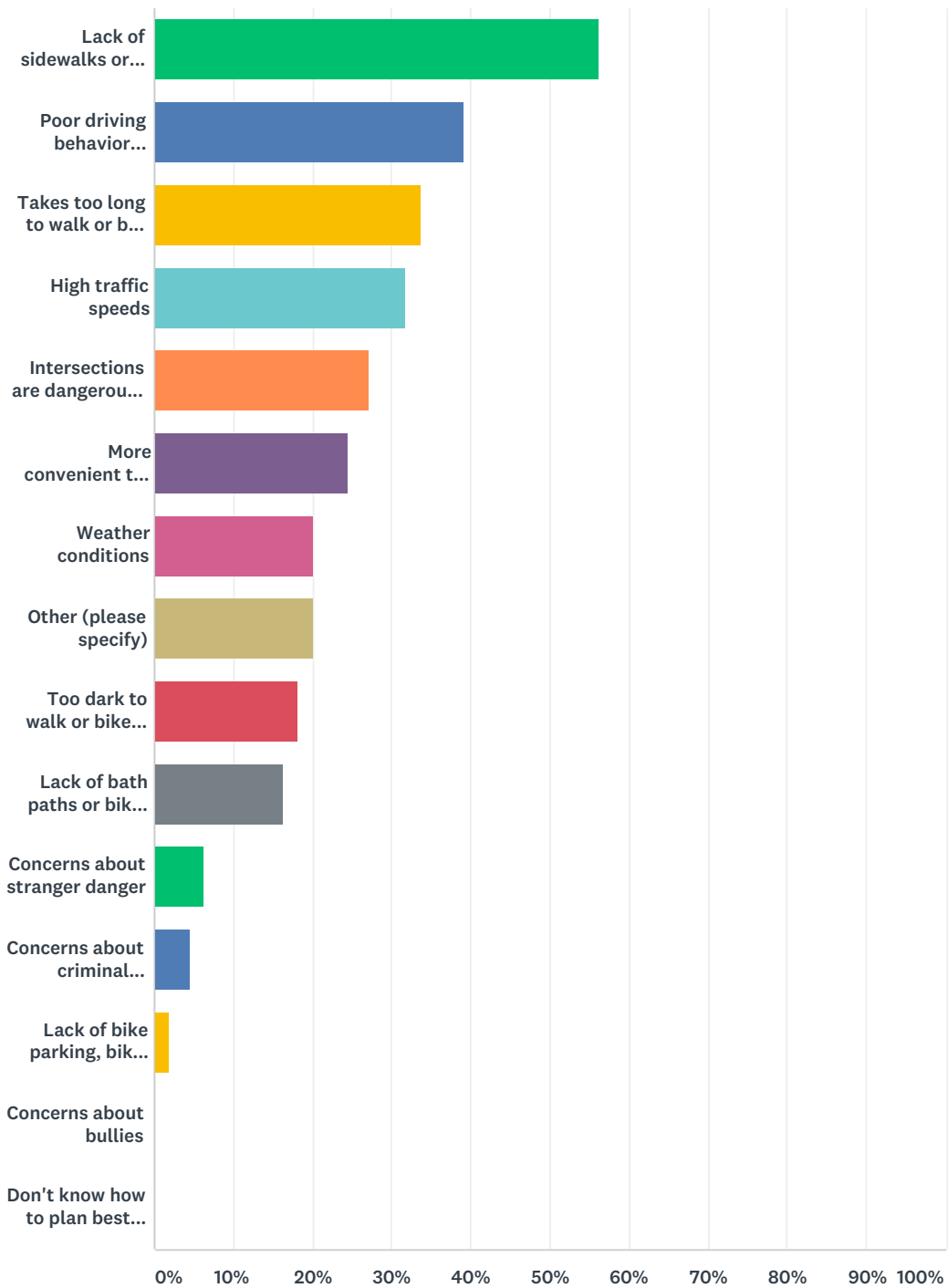
Answered: 118 Skipped: 0



ANSWER CHOICES	RESPONSES	
Transit service doesn't meet my needs	53.39%	63
My schedule is complex	49.15%	58
I like to be in my own car	25.42%	30
Other (please specify)	25.42%	30
I don't feel safe biking	14.41%	17
I don't feel safe walking	11.86%	14
I would carpool, but it's too complicated	8.47%	10
I like to get exercise	3.39%	4
I don't have a drivers license	2.54%	3
I cannot afford to drive	0.85%	1

## Q6 What are the main challenges to walking or biking in your neighborhood? (Select your top three concerns)

Answered: 110 Skipped: 8



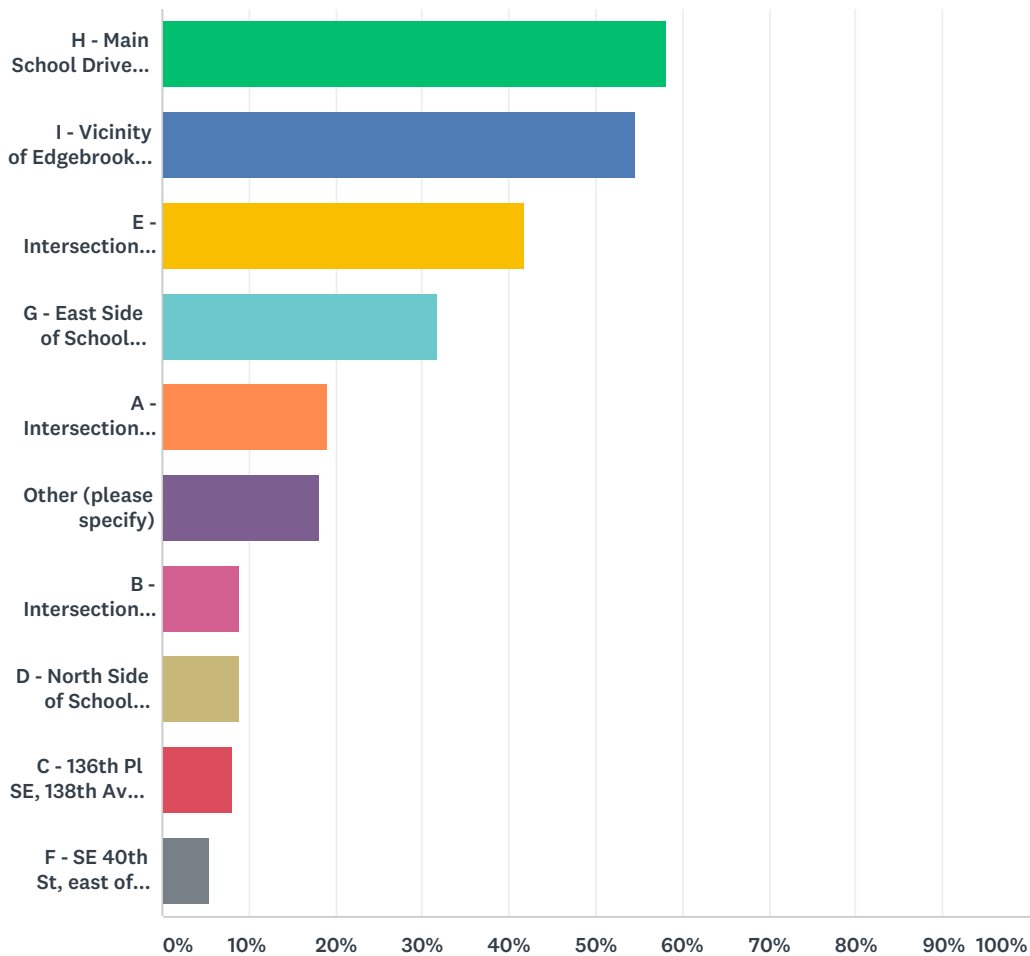
ANSWER CHOICES	RESPONSES	
Lack of sidewalks or sidewalks are not continuous	56.36%	62
Poor driving behavior (distracted driving, speeding, not yielding at crosswalks)	39.09%	43

## Tyee Middle School & Eastgate Community Traffic Safety Survey

Takes too long to walk or bike to my destinations	33.64%	37
High traffic speeds	31.82%	35
Intersections are dangerous to cross	27.27%	30
More convenient to drive	24.55%	27
Weather conditions	20.00%	22
Other (please specify)	20.00%	22
Too dark to walk or bike in the morning	18.18%	20
Lack of bath paths or bike lanes	16.36%	18
Concerns about stranger danger	6.36%	7
Concerns about criminal activity/gangs/violence/dogs	4.55%	5
Lack of bike parking, bike parking is not secure, or bike parking is not in a convenient location	1.82%	2
Concerns about bullies	0.00%	0
Don't know how to plan best walking and/or biking routes	0.00%	0
Total Respondents: 110		

### Q7 Refer to the map below and select the top three locations that pose the highest safety concern.

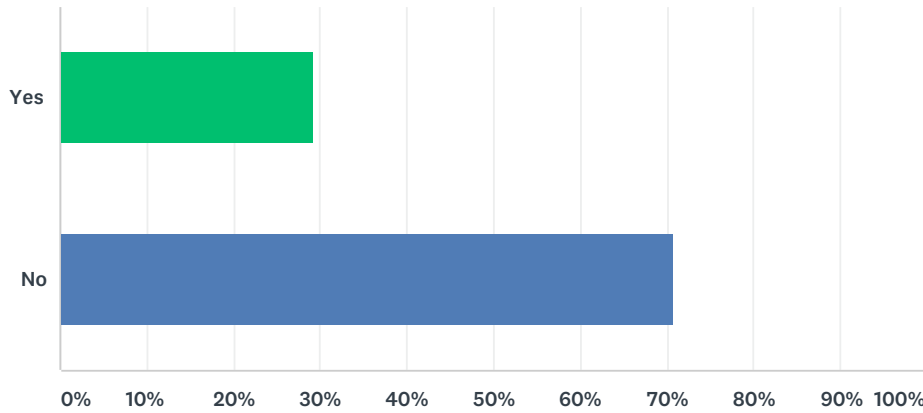
Answered: 110 Skipped: 8



ANSWER CHOICES	RESPONSES	
H - Main School Driveway at SE Allen Rd	58.18%	64
I - Vicinity of Edgebrook Swim Club Driveway on SE Allen Rd	54.55%	60
E - Intersection of SE 40th St and 138th Ave SE	41.82%	46
G - East Side of School Property (138th Ave SE, between SE 40th St and SE Allen Rd)	31.82%	35
A - Intersection of 136th PI SE and SE 38th St	19.09%	21
Other (please specify)	18.18%	20
B - Intersection of 138th Ave SE and 138th PI SE	9.09%	10
D - North Side of School Property, near back parking lot (SE 40th St)	9.09%	10
C - 136th PI SE, 138th Ave SE and SE 40th St	8.18%	9
F - SE 40th St, east of school	5.45%	6

### Q9 Are you familiar with Bellevue's Neighborhood Traffic Calming program?

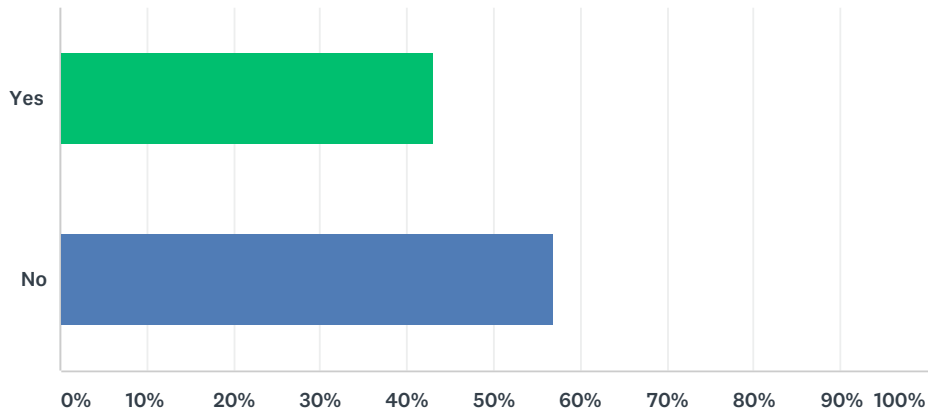
Answered: 109 Skipped: 9



ANSWER CHOICES	RESPONSES	
Yes	29.36%	32
No	70.64%	77
TOTAL		109

### Q10 Are you interested in learning more about Tyee Middle School and Eastgate Traffic Improvements & Strategic Outreach project and potentially volunteering to help with events or activities?

Answered: 109 Skipped: 9



ANSWER CHOICES	RESPONSES	
Yes	43.12%	47
No	56.88%	62
TOTAL		109