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COMMUNITY SAFETY ZONE REVIEW IN SCHOOL AREAS

(Regional Council at its meeting on February 16, 2012 referred this clause to staff for further consideration and a report back to the April 4, 2012 Transportation Services Committee meeting.)

The Transportation Services Committee recommends the adoption of the recommendations contained in the following report dated January 19, 2012, from the Commissioner of Transportation and Community Planning, with the following amendments:

- 1. Amendment of #8 as follows:**
 - 8. The Regional Clerk circulate this report to the Clerks of the local municipalities.**
- 2. Addition of #9 as follows:**
 - 9. Council change the current Community Safety Zone policy to designate all school zones as Community Safety Zones without the need for an assessment.**

1. RECOMMENDATIONS

It is recommended that:

1. Bathurst Street (Y.R. 38) between Steeles Avenue and Milner Gate/Chabad Gate, in the vicinity of Or Haemet Sefaradic Private School, be designated as a Community Safety Zone in the City of Vaughan.
2. Bayview Avenue (Y.R. 34) between Highway 7 (Y.R. 7) and High Tech Road, in the vicinity of Toronto Montessori Private School, be designated as a Community Safety Zone in the Town of Richmond Hill.
3. Bayview Avenue (Y.R. 34) between Hillsvie Drive and Palmer Avenue, in the vicinity of Richmond Hill Christian Academy, be designated as a Community Safety Zone in the Town of Richmond Hill.
4. Keele Street (Y.R. 6) between Rutherford Road (Y.R. 73) and Cromwell Road/Fieldgate Drive, in the vicinity of Father John Kelly Catholic School, be designated as a Community Safety Zone in the City of Vaughan.

5. Rutherford Road (Y.R. 73) between Highway 27 (Y.R. 27) and Forest Fountain Drive, in the vicinity of Elder's Mills Public School, be designated as a Community Safety Zone in the City of Vaughan.
6. Yonge Street (Y.R. 1) between Clark Avenue and Arnold Avenue/Elgin Street, in the vicinity of Thornhill Public School, be designated as a Community Safety Zone in the City of Vaughan.
7. The Regional Solicitor prepare the necessary by-laws.
8. The Regional Clerk circulate this report to the Clerks of the Town of Richmond Hill and City of Vaughan.

2. PURPOSE

This report is in response to a Transportation Services Committee request for staff to consider designating all school areas on the Regional road network as Community Safety Zones.

3. BACKGROUND

On September 8, 2010, the Transportation Service Committee requested staff investigate and report on the criteria and implications of designating Community Safety Zones in all school areas

Regional staff presented a report to the Transportation Services Committee on September 8, 2010 entitled "Speed limit revisions in school zones on Regional roads". The Committee recommended the adoption of four reduced school zone speed limits controlled by flashing beacons. The Committee also requested staff investigate and report on the criteria and implications of designating all school areas as Community Safety Zones.

On April 6, 2011, the Transportation Service Committee directed staff to continue to use the existing Community Safety Zone criteria, and requested staff, in consultation with York Regional Police and each local municipality to review the implications of designating all school areas as Community Safety Zones

In response to the Committee request to designate all school areas as Community Safety Zones, the April 6, 2011 report outlined that all school areas that currently front Regional roads would have to be assessed on a case-by-case basis using the Region's current Community Safety Zone criteria.

It was estimated that the review and assessment of each school area would take Transportation Services staff approximately six months to complete. Due to staffing constraints and competing priorities, the report recommended against “Blanketing” all school areas as Community Safety Zones.

During this Transportation Services Committee meeting, staff was requested to review speed limits and the feasibility of Community Safety Zone designations for two elementary schools in Richmond Hill, Roselawn Public School and Walter Scott Public School.

On September 7, 2011, the Transportation Service Committee supported a staff recommendation not to designate Walter Scott Public School and Roselawn Public School as Community Safety Zones

In accordance with the Region’s Community Safety Zone policy, Major Mackenzie Drive, in the vicinity of Walter Scott Public School and Carrville Road, in the vicinity of Roselawn Public School, did not satisfy the criteria to designate these areas as Community Safety Zones. In addition, a three-year collision review for both roadways identified no patterns or trends of concern. Based on the collision history and information provided by York Regional Police, Community Safety Zones were not recommended.

Community Safety Zones are sections of roadways where public safety is of special concern and traffic offences are subject to double the fines

Community Safety Zones are typically designated on roadways near schools, day-care centres, retirement residences, or high collision locations. Within designated Community Safety Zones, traffic laws remain the same, but traffic offences are subject to double the fines, demerit points are not affected. The intent of these zones is to modify driver behaviour to increase safety for all road users.

In accordance with Sections 214.1 (4) and (5) of the *Highway Traffic Act*, Community Safety Zone designations do not take effect until municipal by-laws are in place and the required signs are posted. The Community Safety Zone signs must be located at the limits of the zone as prescribed in the designating municipal by-law or Ontario Regulation. A standard Community Safety Zone sign, in accordance with the Ontario Traffic Manual Book 5, is shown in Figure 1.

Figure 1
Community Safety Zone Sign



4. ANALYSIS AND OPTIONS

The Region's current Community Safety Zone policy considers both the need for special considerations and whether or not the designation will result in improved safety performance

The Region's Community Safety Zone policy provides a set of criteria and a warrant for CSZ locations for Regional roads. The Region's current Community Safety Zone policy is outlined in *Attachment 1*.

For a Community Safety Zone to be warranted two criteria must be satisfied. The first criterion named "*Designated Areas of Special Consideration*" require the *area under consideration be an area of special concern* and be *obvious* to road users. These areas include:

- School areas
- Community centres
- High pedestrian traffic locations
- Seniors' centres and residences

Secondary school areas should not be considered as Community Safety Zones because young adults are expected to be more aware of their surroundings and able to cross streets safely in comparison to Elementary school children. The principle of community safety zones is to slow motorists in areas where there are children, who are not always the most safety-conscious pedestrians. Parents have an added feeling of safety knowing that these steps are being taken to keep their children safer.

The second criterion named *Safety Performance* has two components - a *Collision* and a *Risk* component. For a Community Safety Zone to be implemented, at least one of these components must be satisfied.

The *Collision Component* criterion is determined by the ratio of annual collisions to daily traffic volumes. For a Community Safety Zone to be implemented the ratio should be more than 1:900 (collisions per year: AADT), averaged over 36 consecutive months.

The *Risk Component* criterion is based on elements of risk that may be present along the road section. These elements are outlined in Table 1. The policy guides the analyst to assign a risk factor score to each element. For a Community Safety Zone to be warranted the total risk factor score must be equal to or greater than 15. Prior to using the *Risk Component*, field observations or York Regional Police must verify that there is an unusually high violation rate on the specific road section.

Table 1
Risk Component

Risk Factor	High (Score 3)	Moderate (Score 2)	Low (Score 1)
Posted speed (km/h)*	40	50	60
Average daily volume	Over 20,000	10,000 to 20,000	Under 10,000
Number of lanes	>4	3 or 4	2
Length of sidewalks	<25%	25 to 75%	>75%
Truck volume	>5 %	3-5 %	<3 %
Pedestrians crossing in any 8 hours	>100	50 to 100	< 50
Intersections and entrances per kilometre	> 10	4 to 10	< 4

* Roads with a posted speed limit > 60-km/h are not considered for a Community Safety Zone. Lower posted speed limits are associated with built up urban areas and multiple driveways, therefore a higher expectation of risk

Regional staff identified 423 schools in York Region, 114 of which are in proximity to a Regional Road and 101 are fronting a Regional road

Using a GIS mapping system, Regional staff compiled a list of 423 schools (including Nursery and Private Schools) in York Region. A total of 114 schools were identified to be within 100 metres of a Regional road. Of these 114 schools, staff identified 101 that had direct frontage to a Regional road.

The Region's Transportation Planning Policies for school sites consider Nursery schools and Private schools with over 200 registered students similar to public and separate schools for the purposes of speed control along Regional roads. This reinforces the need for additional emphasis above and beyond the standard school zone signage at large school sites but avoids the need to consider school zone signage at small private business which may not be identifiable to a passing motorist.

Regional staff identified 37 private schools fronting the Regional road network that do not have more than 200 registered students. These schools were removed from the list leaving 64 schools for further investigation and review. These schools are listed in *Attachment 2*. A summary of the school areas with a minimum of 200 register students and have direct frontage to a Regional road are listed in Table 2.

Table 2
Evaluation of Schools in York Region

No. of Schools	Description
423	Schools in York Region
114	Schools within 100 metres of a Regional road
101	Schools with direct frontage to a Regional road
64	Schools with a minimum of 200 registered students and direct frontage to a Regional road

There are currently four existing school areas on the Regional road network designated as a Community Safety Zones

Of the 64 locations, four school areas are already designated as Community Safety Zones and were therefore not reviewed as part of this report. These schools are listed in Table 3.

Table 3
Existing Community Safety Zone Designations

Road	From/To	Municipality	Special Concern
16 th Avenue	Fern Avenue to Maple Avenue	Town of Richmond Hill	16 th Avenue Public School
Bayview Avenue	Thornlea Road to Sycamore Drive/ Romfield Circuit North	Town of Markham	Community Centres, Thornlea High School Thornlea Public School
Highway 7	Conservation Avenue/ Laidlaw Boulevard to Grandview Boulevard/ Galsworthy Drive	Town of Markham	St. Patrick School
King Road	Warren Road to John Street	Township of King	Holy Name Elementary School

Regional Council approved the four existing Community Safety Zone on September 9, 1999. All Community Safety Zone designations in York Region are in effect year round, 24 hours a day, 7 days per week. No new Community Safety Zones have been installed on the Regional road network since 2005.

Staff previously reviewed two school areas on the Regional road network reported to Transportation Services Committee on September 7, 2011

On September 7, 2011, Transportation Services Committee endorsed staff recommendations not to designate Carrville Road adjacent to Roselawn Public School and Major Mackenzie Drive adjacent to Walter Scott Public School as Community Safety Zones and were therefore not reviewed as part of this report. These schools are listed in Table 4.

Table 4
Previously Reviewed Community Safety Zones

Road	From/To	Municipality	Special Concern
Carrville Road	Myers Boulevard to Avenue Road	Town of Richmond Hill	Roselawn Public School
Major Mackenzie Drive	Newkirk Road to Maple Avenue	Town of Richmond Hill	Walter Scott Public School

With the exclusion of the four existing Community Safety Zones and the two schools not previously recommended, a total of 58 school (25 secondary and 33 elementary) areas remained to be investigated by Regional staff to determine the feasibility of implementing Community Safety Zones.

Regional staff evaluated 33 school areas for Community Safety Zone designations

Because of the younger ages of pedestrians around Elementary schools, it is more critical to have Community Safety Zones at Elementary schools than at Secondary schools. High school students are cognitively better developed and are more able to act responsibly and safely as pedestrians. Regional staff did not evaluate 25 of the 58 identified school areas because they were secondary schools. A summary of the school areas to be evaluated for Community Safety Zone designations is listed in Table 5.

Table 5
Number of Schools Evaluated in York Region

No. of Schools	Description
64	Schools with a minimum of 200 registered students and direct frontage to a Regional road
4	Schools with existing Community Safety Zone
2	Schools previously reviewed as Community Safety Zone
25	Secondary schools
33	School areas to be evaluated as Community Safety Zone

Regional staff applied the Community Safety Zone criteria, beginning with the criterion for 'Designated Areas of Special Consideration' to 33 school areas fronting the Regional road network

School areas that are obvious to road users are considered *Designated Areas of Special Consideration* in the Community Safety Zone criteria. The 33 schools included 15 public schools, 5 Catholic schools, 12 private schools and one French public school. Staff found that all 33 schools satisfied the *Designated Areas of Special Consideration* criterion and were therefore carried forward to the *Safety Performance* review.

Regional staff applied the 'Collision Component' criterion to 33 school areas fronting the Regional road network

In order to calculate the Collision Component, Regional staff extracted from the data warehouse the annual average daily traffic volume and a three-year collision history for each of the 33 road sections. None of the 33 schools satisfied the Collision Component of

the Safety Performance criteria. The collision component results are listed in *Attachment 3*. All 33 locations were carried forward to a review of their Risk Component scores.

Regional staff applied the 'Risk Component' criterion to 33 school areas fronting the Regional road network

In order to calculate the Risk Component, staff determined the number of lanes, the length of sidewalks, the posted speed limits, and the number of entrances for each of the 33 school areas using aerial photography and conducting site investigations. In addition, Regional staff extracted annual average daily volumes, truck volume percentages, and the number of pedestrians crossing within an eight-hour interval from the Region's traffic data warehouse.

Using the data above a risk factor score was determined for each school using the scores in Table 1. Regional staff identified seven schools that satisfied the *Risk Component* that are listed in Table 6, i.e. which had a score equal to or greater than 15. Based on this review, the risk component results are listed in *Attachment 4*.

Table 6
Regional Staff Recommends Six Schools as Community Safety Zones

Road	Section	Municipality	Special Concern
Bathurst Street (Attachment 5)	Steeles Avenue to Milner Gate / Chabad Gate	City of Vaughan	Or Haemet Sefaradic Private School
Bayview Avenue (Attachment 6)	Highway 7 to High Tech Road	Town of Richmond Hill	Toronto Montessori Private School
Bayview Avenue (Attachment 7)	Hillview Drive to Palmer Avenue	Town of Richmond Hill	Richmond Hill Christian Academy
Keele Street (Attachment 8)	Rutherford Road to Cromwell Road / Fieldgate Drive	City of Vaughan	Father John Kelly Catholic School
Rutherford Road (Attachment 9)	Highway 27 to Forest Fountain Drive	City of Vaughan	Elder's Mills Public School
Yonge Street (Attachment 10)	Clark Avenue to Arnold Avenue / Elgin Street	City of Vaughan	Thornhill Public School

Link to Key Council approved Plans

Vision 2026 Towards a Sustainable Region - Vision 2026: Responding to the needs of our residents: Supporting Safe and Secure Communities; Addressing the safety needs of vulnerable groups in school zones.

5. FINANCIAL IMPLICATIONS

Costs to review and investigate the 114 School areas for Community Safety Zone Designations are included in the base operating budget. The additional expense for installing Community Safety Zone signs at the six recommended schools is estimated to be \$3,600 and can be funded within the 2012 operating budget.

6. LOCAL MUNICIPAL IMPACT

Regional staff has consulted with the staff in the Town of Richmond Hill and City of Vaughan regarding the proposed implementation of Community Safety Zones.

7. CONCLUSION

In accordance with the Region's Community Safety Zone policy, there are six school areas on the Regional road network which satisfy the Community Safety Zone criteria. Regional staff supports the installation of the Community Safety Zones at these school areas.

It is proposed that the Regional Clerk circulate this report to the Clerks of the affected local municipalities.

For more information on this report, please contact Steven Kemp, Director, Traffic Management and Intelligent Transportation Systems at Ext. 5226.

The Senior Management Group has reviewed this report.

(The ten attachments referred to in this clause are attached to this report.)



STATUS:	Final
Council Approved:	No
CAO Approved:	No

TITLE: Community Safety Zone (CSZ) Warrant Criteria	Edocs No.: Original Approval Date: December 19, 2002 Policy Last Updated: June 5, 2003 Posted on Intranet:
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POLICY STATEMENT:

This policy provides a warrant process for Community Safety Zones (CSZs) along The Regional Municipality of York road system.

APPLICATION:

The CSZ warrant and point-rating system is to identify the locations that meet the warrant for CSZs along the Regional road network.

PURPOSE:

Provides a set of criteria and a warrant for CSZ locations for Regional roads.

DESCRIPTION:

CSZs are used on "parts of a roadway" where public safety is of special concern to a community. The CSZ warrant outlines two major components. The first component, Warrant 1 – Designated Areas of Special Concern must be satisfied before continuing onto Warrant 2. Warrant 2 – considers collision and risk components. One of these components must be satisfied in order for a CSZ to be implemented.

Warrant 1: Designated Areas of Special Consideration

CSZs must only be implemented at locations of special concern that are obvious to the road user. Therefore, CSZs must only be implemented at the following locations:

- Elementary or secondary schools.
- Community centres.
- High pedestrian traffic locations.
- Seniors' centres and residences.

Community Safety Zone (CSZ) Warrant Criteria

- Proposed CSZ must be a minimum of one kilometre in length to a maximum of 2.5 kilometres.

For the purposes of this warrant, a high pedestrian location is defined as a location experiencing an average of 100 pedestrians per hour or more for any 8 hours of the day.

Warrant 2: Safety Warrant

The safety warrant is comprised of a collision component and a risk component. Either the collision component or the risk component must be satisfied for the safety warrant to be met.

- Collision Component**

A CSZ should be implemented if the collision ratio is less than 1:900 (collisions per year:AADT), averaged over 36 consecutive months.

- Risk Component**

It is recognized that a significant safety concern may exist even though it is not shown in the collision record, therefore, a second warrant based on the elements of risk is available.

Prior to using the risk warrant, field observations or the York Regional Police must verify that there is an unusually high violation rate at the location. The minimum accepted value for the risk factor is 15.

Table 1
Risk Factor Component

Risk Factor	High (Score 3)	Moderate (Score 2)	Low (Score 1)	Score
Posted speed (km/h) *	40	50	60	
Average daily volume	Over 20,000	10,000 to 20,000	Under 10,000	
Number of lanes	>4	3 or 4	2	
Length of sidewalks	<25%	25 to 75%	>75%	
Truck volume	>5 %	3-5 %	<3 %	

Community Safety Zone (CSZ) Warrant Criteria

Pedestrians crossing in any 8 hours	>100	50 to 100	< 50	
Intersection and entrances per kilometre	> 10	4 to 10	< 4	
		TOTAL SCORE		

*Roads with a posted speed limit > 60-km/h shall not be considered for a CSZ.

REFERENCE:

Approval (Transportation and Works Committee Report 11, Clause 7, 2002)

CONTACT:

Steven D. Kemp, Director, Traffic Management and Intelligent Transportation Systems,
Transportation Services Department

APPROVAL INFORMATION

CAO Approval Date: November 20, 2002

Committee: Transportation and Works

Clause: 7

Report No: 11

Council Approval:

Minute No. 178 **Page:**

Date: December 19, 2002

By-law No:

Minute No.

Page:

Date:

Approval (Transportation and Works Committee Report 11, Clause 7, 2002)

COUNCIL ATTACHMENT 2

Schools fronting the Regional road network

Index #	SCHOOL NAME	MUNICIPALITY	CLASS	ADDRESS	Existing CSZ	Speed Limit (Km/h)
1	St Maximilian Kolbe Catholic High School	Aurora	Catholic Secondary	278 Wellington Street East		50
2	Aurora High School	Aurora	Secondary French Immersion	155 Wellington Street West		60
3	Crossroads North	Aurora	Catholic Alternative Educate	320 Bloomington Road West		60
4	Cardinal Carter Catholic High School	Aurora	Catholic Secondary	210 Bloomington Road		60
5	Aurora Senior Public School	Aurora	Public Elementary	125 Wellington Steet West		50
6	Ecole Secondaire Catholique Renaissance	Aurora	French Catholic High School	700 Bloomington Road		60-70
7	La Maison Montessori House	Aurora	Private Elementary	14 Stone Road		70
8	Good Shepherd Catholic Elementary School	East Gwillimbury	Catholic Elementary	19112 2nd Concession RR1		60
9	Mount Albert Public School	East Gwillimbury	Public Elementary	5488 Mount Albert Road		50
10	Queensville Public School	East Gwillimbury	Public Elementary	20317 Leslie Street		50
11	Jersey Public School	Georgina	Public Elementary	176 Glenwoods Drive		50
12	Prince of Peace Catholic Elementary School	Georgina	Catholic Elementary	181 Glenwoods Avenue		50
13	Our Lady of the Lake Catholic College School	Georgina	Catholic Secondary	185 Glenwoods Drive		50
14	St. Thomas Aquinas Catholic Elementary	Georgina	Catholic Elementary	262 Old Homestead Road		50
15	Sutton District High School	Georgina	Public Secondary	20798 Dalton Road		50
16	Sutton Public School	Georgina	Public Elementary	5147 Baseline Road		50
17	Kettleby Public School	King	Public Elementary	3286 Lloydtown/Aurora Road		50
18	Holy Name Catholic Elementary School	King	Catholic Elementary	2585 King Road	Yes	50-70
19	King City Secondary School	King	Public Secondary	2001 King Road		50
20	The Country Day School Private School	King	Elementary/Secondary	13415 Dufferin Street		60
21	Nobleton Senior Public School	King	Public Elementary	13375 Highway 27		50
22	Nobleton Junior Public School	King	Public Elementary	5885 King Road		50
23	Schomberg Public School	King	Public Elementary	21 Main Street		70
24	Markville Secondary School	Markham	Public Secondary	1000 Carlton Road		60
25	Brother Andre Catholic High School	Markham	Catholic Secondary	6160 16th Avenue East		60
26	Father Michael McGivney Academy Catholic High School	Markham	Catholic Secondary	5300 14th Avenue		60
27	Sir Wilfred Laurier Public School	Markham	Elementary French Immersion	160 Hazelton Avenue		60
28	St. Patrick Catholic Elementary School	Markham	Catholic Elementary	5607 Highway 7	Yes	50
29	Mintech Montessori Private School	Markham	Private Elementary	8961 Ninth Line		60
30	Unionville Public High School	Markham	Public Secondary	201 Town Centre Boulevard		60
31	Milliken Mills Public High School	Markham	Public Secondary	7522 Kennedy Road		60
32	Unionville Montessori School	Markham	Private Elementary	4486 16th Avenue		60-70
33	Trillium School Private Elementary School	Markham	Private Elementary	4277 14th Avenue		60
34	Newmarket Public High School	Newmarket	Secondary French Immersion	505 Pickering Crescent		60
35	St. Nicholas Catholic Elementary School	Newmarket	Catholic Elementary	480 Keith Avenue		60
36	Sharon Public School	Newmarket	Public Elementary	18532 Leslie Street		50
37	Pickering College Private School	Newmarket	Elementary/Secondary	16945 Bayview Avenue		50
38	Alexander Mackenzie High School	Richmond Hill	Public Secondary	300 Major Mackenzie Drive West		50-60
39	Walter Scott Public School	Richmond Hill	Public Elementary	500 Major Mackenzie Drive East		50
40	Roselawn Public School	Richmond Hill	Public Elementary	422 Carrville Road		50
41	Bayview Secondary School	Richmond Hill	Public Secondary	10077 Bayview Avenue		60
42	Ecole Elementaire Acadamie de la Moraine	Richmond Hill	French Public Elementary	13200 Yonge Street		60
43	Launch East Catholic Alternative Education	Richmond Hill	Catholic Alternative Educate	10568 Bayview Avenue		60
44	Jean Vanier Catholic High School	Richmond Hill	Catholic Secondary	10475 Bayview Avenue		60
45	Richmond Green Secondary School	Richmond Hill	Public Secondary	1 William F. Bell Parkway		70
46	Sixteenth Avenue Public School	Richmond Hill	Public Elementary	400 16th Avenue	Yes	50
47	Richmond Hill Christian Academy Private School	Richmond Hill	Private Elementary	9711 Bayview Avenue		60
48	Toronto Montessori Private School	Richmond Hill	Elementary/Secondary	8569 Bayview Avenue		60
49	Holy Trinity Private School	Richmond Hill	Elementary/Secondary	11300 Bayview Avenue		60
50	Thornhill Public School	Richmond Hill	Public Elementary	7554 Yonge Street		50
51	St. Robert Catholic High School	Richmond Hill	Catholic Secondary	8101 Leslie Street		60
52	Thornlea Secondary School	Richmond Hill	Public Secondary	8075 Bayview Avenue	Yes	60
53	As-Sadiq Islamic Private School	Richmond Hill	Private Elementary	9000 Bathurst Street		60
54	Or Haemet Sefaradic Private School	Vaughan	Private Elementary	7026 Bathurst Street		70
55	Father John Kelly Catholic School	Vaughan	Catholic Elementary	9350 Keele Street		50
56	Westmount CI Public Secondary	Vaughan	Public Secondary	1000 New Westminster Drive Sutie 1		60
57	Tanebaumehat, Kimel Family Education Centre	Vaughan	Private Secondary	9600 Bathurst Street		70
58	Emily Carr Secondary School	Vaughan	Public Secondary	4901 Rutherford Road		60
59	Elder's Mills Public School	Vaughan	Elementary French Immersion	120 Napa Valley Drive		50
60	Crossroads West Catholic Alternative Education	Vaughan	Catholic Alternative Educate	3901 Highway 7		70
61	St. Jean de Brebeuf Catholic Secondary	Vaughan	Catholic Secondary	2 Davos Drive		60
62	North Hill Private School	Vaughan	Private Elementary	9555 Weston Road		60
63	Whitchurch Highlands Public School	Whitchurch Stouffville	Public Elementary	13812 Warden Avenue		60
64	Ballantrae Public School	Whitchurch Stouffville	Public Elementary	5632 Aurora Road		60

COUNCIL ATTACHMENT 3

Collision Component of School areas fronting the Regional road network

Index #	SCHOOL NAME	MUNICIPALITY	COLLISION COMPONENT	TRAFFIC VOLUME	TOTAL COLLISIONS	COLLISIONS PER YEAR
1	Aurora Senior Public School	Aurora	9840	16400	5	1.67
2	La Maison Montessori House Private School	Aurora	9960	16600	5	1.67
3	Queensville Public School	East Gwillimbury	3713	9900	8	2.67
4	Good Shepherd Catholic Elementary School	East Gwillimbury	9200	9200	3	1.00
5	Mount Albert Public Elementary School	East Gwillimbury	18600	6200	1	0.33
6	Sutton Public School	Georgina	4620	7700	5	1.67
7	Prince of Peace Catholic Elementary School	Georgina	7600	7600	3	1.00
8	Jersey Public School	Georgina	22800	7600	1	0.33
9	St. Thomas Aquinas Catholic Elementary School	Georgina	∞	2500	0	0.00
10	Schomberg Public School	King	3133	9400	9	3.00
11	The Country Day School Private School	King	6300	10500	5	1.67
12	Kettleby Public School	King	8200	8200	3	1.00
13	Nobleton Junior Public School	King	8700	11600	4	1.33
14	Nobleton Senior Public School	King	9975	13300	4	1.33
15	Unionville Montessori School	Markham	1255	38500	92	30.67
16	Trillium Private School	Markham	1291	24100	56	18.67
17	Mintech Montessori School	Markham	1597	18100	34	11.33
18	Sir Wilfred Laurier Public School	Markham	30600	10200	1	0.33
19	Pickering College Private School	Newmarket	2541	14400	17	5.67
20	Sharon Public School	Newmarket	7050	18800	8	2.67
21	St. Nicholas Catholic Elementary School	Newmarket	29550	19700	2	0.67
22	Richmond Hill Christian Academy	Richmond Hill	1597	39400	74	24.67
23	Toronto Montessori Private School	Richmond Hill	1905	36200	57	19.00
24	As-Sadiq Islamic Private School	Richmond Hill	2090	41100	59	19.67
25	Thornhill Public School	Richmond Hill	2742	39300	43	14.33
26	Holy Trinity Private School	Richmond Hill	4168	52800	38	12.67
27	Ecole Elementaire Academie de la Moraine Public School	Richmond Hill	4477	19400	13	4.33
28	Or Haemet Sefaradic Private School	Vaughan	9450	12600	4	1.33
29	North Hill Private School	Vaughan	1789	16100	27	9.00
30	Father John Kelly Catholic School	Vaughan	3488	18600	16	5.33
31	Elder's Mills Public School	Vaughan	6162	26700	13	4.33
32	Whitchurch Highlands Public School	Whitchurch Stouffville	1320	2200	5	1.67
33	Ballantrae Public School	Whitchurch Stouffville	9750	6500	2	0.67

COUNCIL ATTACHMENT 4

Risk Component of School areas fronting the Regional road network

Index #	SCHOOL NAME	MUNICIPALITY	RISK COMPONENT	School Zone Flasher	Speed Reduction
1	Aurora Senior Public School	Aurora	11		
2	La Maison Montessori House Private School	Aurora	13		
3	Queensville Public School	East Gwillimbury	10	Yes	No
4	Good Shepherd Catholic Elementary School	East Gwillimbury	11	Yes	No
5	Mount Albert Public Elementary School	East Gwillimbury	11	Yes	No
6	Sutton Public School	Georgina	13	Yes	No
7	Prince of Peace Catholic Elementary School	Georgina	10		
8	Jersey Public School	Georgina	11	Yes	No
9	St. Thomas Aquinas Catholic Elementary School	Georgina	10		
10	Schomberg Public School	King	13		
11	The Country Day School Private School	King	11	Yes	No
12	Kettleby Public School	King	11		
13	Nobleton Junior Public School	King	12	Yes	Yes
14	Nobleton Senior Public School	King	13	Yes	No
15	Unionville Montessori School	Markham	13		
16	Trillium Private School	Markham	13		
17	Mintech Montessori School	Markham	12		
18	Sir Wilfred Laurier Public School	Markham	11		
19	Pickering College Private School	Newmarket	12	Yes	No
20	Sharon Public School	Newmarket	12	Yes	No
21	St. Nicholas Catholic Elementary School	Newmarket	13		
22	Richmond Hill Christian Academy	Richmond Hill	15		
23	Toronto Montessori Private School	Richmond Hill	15		
24	As-Sadiq Islamic Private School	Richmond Hill	12		
25	Thornhill Public School	Richmond Hill	15		
26	Holy Trinity Private School	Richmond Hill	11		
27	Ecole Elementaire Academie de la Moraine Public School	Richmond Hill	13		
28	Or Haemet Sefaradic Private School	Vaughan	16		
29	North Hill Private School	Vaughan	13		
30	Father John Kelly Catholic School	Vaughan	15	Yes	Yes
31	Elder's Mills Public School	Vaughan	16		
32	Whitchurch Highlands Public School	Whitchurch Stouffville	11		
33	Ballantrae Public School	Whitchurch Stouffville	11	Yes	Yes



LOCATION PLAN

Or Haemet Sefaradic Private School
Bathurst St (Y.R. 38)
City of Vaughan



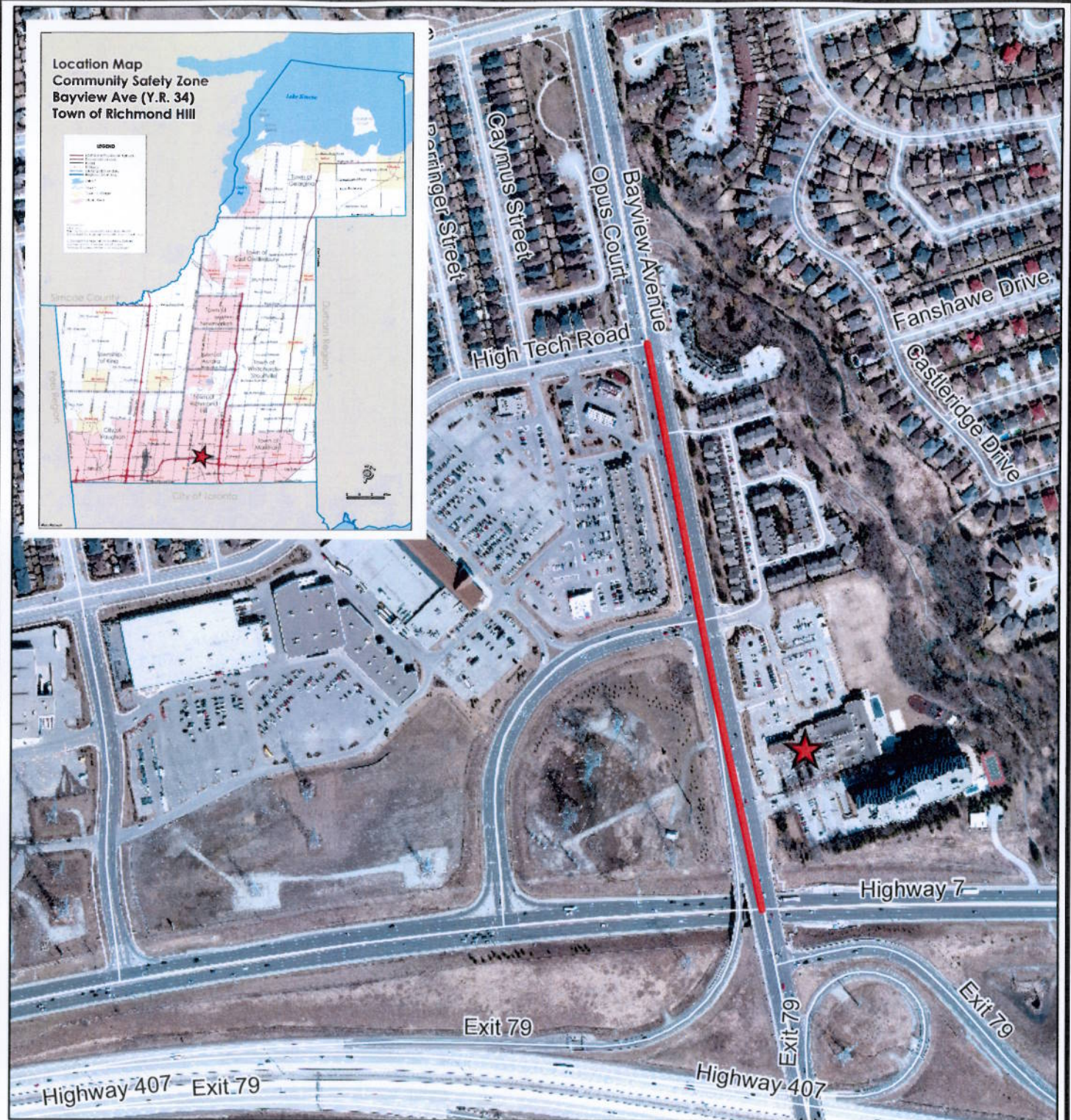
Proposed Community Safety Zone 

Or Haemet Sefaradic School 

0 50 100 200 300 400 Metres



TRANSPORTATION SERVICES



LOCATION PLAN

Toronto Montessori Private School
Bayview Ave (Y.R. 34)
Town of Richmond Hill



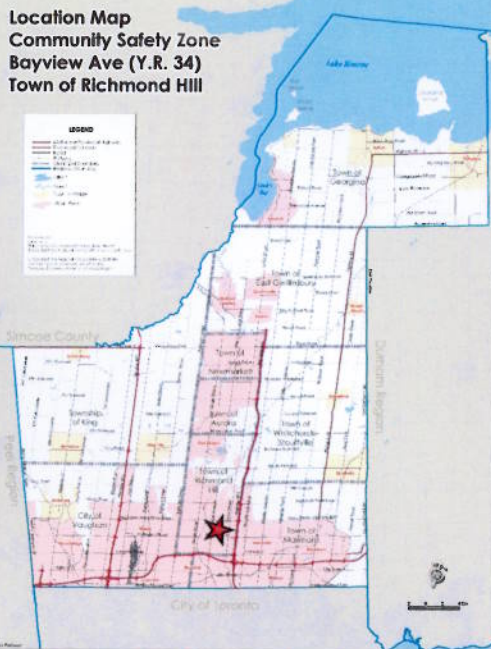
Proposed Community Safety Zone

Toronto Montessori Schools



0 55 110 220 330 440 Metres

TRANSPORTATION SERVICES



LOCATION PLAN

Richmond Hill Christian Academy
Private School
Bayview Ave (Y.R. 34)
Town of Richmond Hill

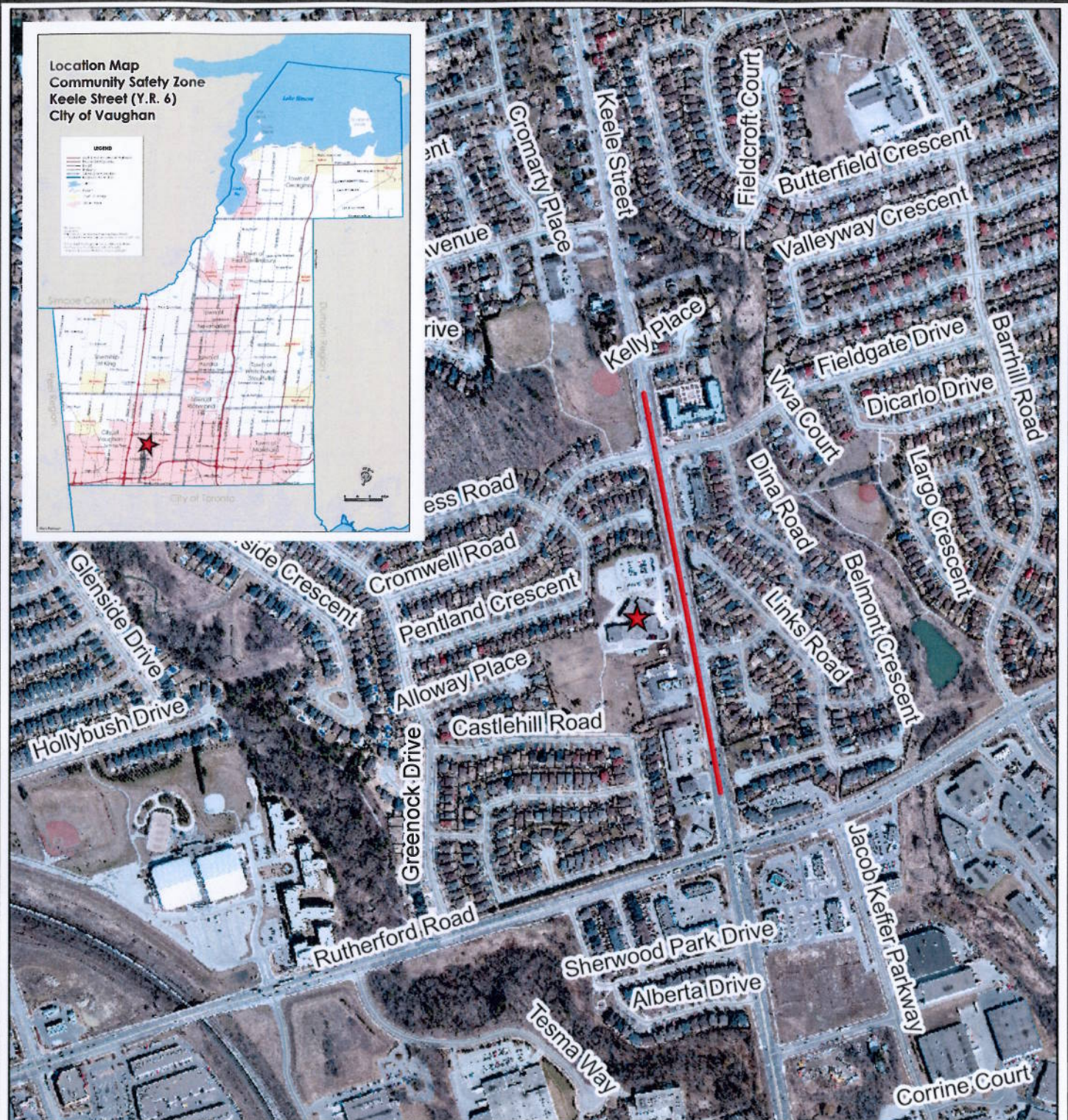


Proposed Community Safety Zone —

Richmond Hill Christian Academy ★

0 80 160 320 480 640 Metres

TRANSPORTATION SERVICES



LOCATION PLAN

Father John Kelly Catholic School
Keele Street (Y.R. 6)
City of Vaughan



Proposed Community Safety Zone

Father John Kelly Elementary School



0 95 190 380 570 760 Metres

TRANSPORTATION SERVICES



Elder's Mills Public School
Rutherford Road (Y.R. 73)
City of Vaughan



Proposed Community Safety Zone

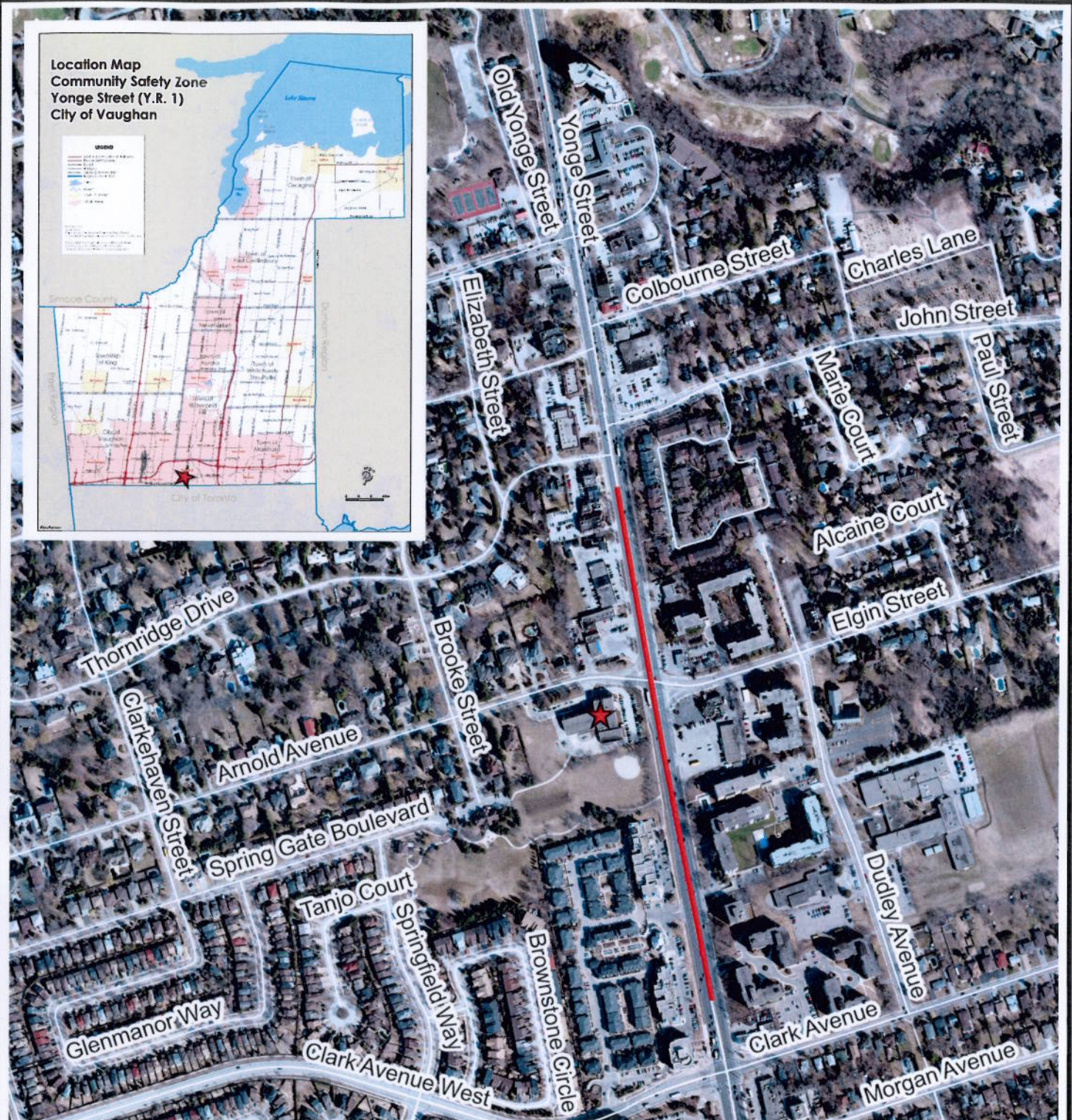
Elder's Mills Public School



0 70 140 280 420 560 Metres



TRANSPORTATION SERVICES



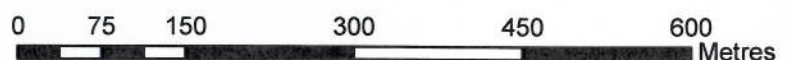
LOCATION PLAN

Thornhill Public School
Yonge Street (Y.R. 1)
City of Vaughan



Proposed Community Safety Zone

Thornhill Public School



TRANSPORTATION SERVICES