

INFORMATION NOTE

Title:	Traffic Calming List Update
Date Prepared:	December 9, 2021
Report To:	Committee of the Whole
Councillor and Role:	Councillor Maggie Burton, Transportation & Regulatory Services
Ward:	N/A

Issue: This information note presents current list of streets that are either eligible or not eligible for traffic calming measures. Also, previously implemented traffic calming projects are included.

Discussion – Background and Current Status:

Background

The City has an Annual Traffic Calming Program with a \$50,000 budget set annually to cover the cost of traffic calming projects. Typically, requests for traffic calming come from the residents to have their neighborhood streets with slow vehicle traffic, reduced non-local traffic and/or improved safety condition. City's Traffic Calming Policy provides a framework to handle these requests coming from the residents guiding on what streets to consider for traffic calming measures and how to set their priority.

For any street to be eligible for traffic calming, it should pass all the eligibility criteria set in the City's Traffic Calming Policy. Then, each eligible street is scored using a set of factors related to their traffic and environment conditions set in the policy. Those streets that pass the minimum threshold point of 30 are ranked, determining their priority for implementation. The Annual Traffic Calming Program fund is utilized to implement traffic calming projects starting with those ranked at the top.

Completed Projects

The following **Table 1** shows the list of streets that were considered for implementing traffic calming measures in the past. Among them, four streets didn't have enough public support to implement the measures, these are: Pine Bud Avenue, Doyle's Road, Quebec Street and part of Great Eastern Avenue.

ST. JOHN'S

Table 1: List of Completed Projects*

S.N.	Project Location	Permanent Installation	Temporary Installation	Status	Remarks
1	Old Topsail Road	2013		Completed	Speed cushions and raised crosswalks
2	Carrick Drive	2013		Completed	Speed cushions
3	Southside Road	2014		Completed	Speed cushions
4	Rotary Drive		2016	Completed	Speed cushions
5	Great Eastern Drive		2017	Completed	Temporary roundabout
6	Pine Bud Avenue		2018	Not implemented	No support for permanent installation
7	Viscount Street	2018		Completed	Speed cushions
8	Winter Avenue	2018		Completed	Speed cushions
9	Carnell Drive	2018		Completed	Speed cushions
10	Larkhall Neighborhood	2021		Completed	Bump-out at the school/turn restrictions on Weymouth
11	Airport Heights Dive	2016		Completed	Bump-out
12	Bennett's Road		2018-2021	Completed	Raised crosswalk
13	Southside Road	2022	2021	Tender completed	Permanent speed cushions to be implemented in 2022
14	Quidi Vidi Village		2021	Completed	Linked to Inner Gut pilot project
15	Doyle's Road			Not implemented	Initial survey didn't show enough public support
16	Quebec Street			Not implemented	Initial survey didn't show enough public support
17	Exmouth Street	2020		Completed	As part of Larkhall neighborhood work, turn restrictions have been applied
18	Weymouth Street	2020		Completed	As part of Larkhall neighborhood work, turn restrictions have been applied
19	Linegar Avenue	2018		Completed	A part of the street was completed in the past capital works project
20	34 Ladysmith Drive	2021		Completed	Bump-out installed at Kiwanis street

S.N.	Project Location	Permanent Installation	Temporary Installation	Status	Remarks
21	Great Eastern Avenue between Lady Smith Drive and Petite Forte Drive	2017		Not implemented	Part of 2017 Pilot Project area, but was not implemented fully due to insufficient public support.

* The table is up to the date of this note preparation time.

Current Status

For the streets that have requested traffic calming, there are a total of 41 streets eligible. As mentioned previously, when it comes to utilizing the traffic calming budget, sites are selected based on their priority in the list. Accordingly, the top 10 sites are selected for implementation this year (**Table 2**). In addition, Downing street is included in the same list as there is Streets Rehab work planned for this street next year. Whenever, a rehab work is planned for a street in near future, and if that street is eligible for traffic calming, then priority is given to it to avoid the redo work. This strategy is taken to minimize the overall implementation cost for traffic calming projects as well. The project cost for these specific rehab related streets would be covered by the Streets Rehab project budget. The remaining 30 eligible sites shown in **Table 3** are for future implementation.

Table 2: Eligible Streets Considered for Implementation (Process ongoing)

Rank	Location	Score	Status
1	University Avenue	69.0	Public survey to be distributed
2	Old Bay Bulls Road	57.2	Public survey to be distributed
3	Baird Place	46.0	Public survey to be distributed
4	Frecker Drive between Duntara & Harrington	46.0	Public survey to be distributed
5	Ennis Avenue	44.1	Public survey to be distributed
6	Quidi Vidi Road	44.0	Public survey to be distributed
7	Empire Avenue between Welland and Blackmarsh	43.0	Public survey to be distributed
8	Warford Road	42.5	Public survey to be distributed
9	Gleneyre Street	41.1	Public survey to be distributed
10	Dunlea Street	40.7	Public survey to be distributed
11	Downing Street	31.7	Public survey is ongoing, if there is enough public support, implementation will be planned together with road rehab

Table 3: Eligible Streets Considered for Future Implementation

Rank	Location	Score
1	26 Craigmillar Avenue	39.4
2	66 Quidi Vidi Village Road*	38.0
3	Toronto Street	38.0
4	Argyle Street	37.7
5	Keith Drive	37.2
6	Pearce Avenue	37.0
7	Symonds Ave	37.0
8	Middleton Street	36.5
9	Pearl Town Road	36.2
10	28 Parsons Road	36.1
11	30 Carpasian Road	35.5
12	123 Canada Drive**	35.4
13	Jasper Street West of Cheshire	35.1
14	Meadowbrook Drive	35.0
15	Stavanger Drive	35.0
16	Walshs Lane	34.8
17	Back Line Civic# 232	34.5
18	Bells Turn	34.0
19	438 Empire Avenue	34.0
20	19 Forest Road	34.0
21	Kerry Street	33.0
22	14 Petite Forte Drive	33.0
23	334 Anspach Street Civic	32.6
24	Gairlock Street	31.5
25	Gloucester Street - Hunts Lane	31.3
26	136 Craigmillar Avenue	31.1
27	58 Smith Avenue	31.0
28	East Meadows Avenue	30.8
29	Fort Amherest	30.0
30	Kerry Street	30.0

* Temporary speed cushions installed as part of Pedestrian Mall Project in 2021 summer.

**To be addressed as part of upcoming road rehab project.

Table 4 shows the list of streets that passed the pre-screening criteria, however, didn't score enough to be eligible for implementation. Similarly, **Table 5** shows the streets that didn't pass pre-screening criteria and thus were not evaluated for scoring.

Table 4: Streets not Eligible for Traffic Calming

S.N.	Location	Score
1	69 Rotary Drive	29.5
2	29 Forest Road	28.3
3	Fort Amherst	27.0
4	Hunts Lane	26.2
5	Doyles Road Extension	26.1
6	Long Pond Road	26.0
7	Jasper Street - East of Cheshire	24.6
8	Francis Street	24.4
9	Terra Nova Road	24.4
10	Battery Road	24.0
11	Welland Street	24.0
12	Winslow Street	23.2
13	Highland Drive	23.1
14	48 Empire Avenue	23.1
15	404 Hamilton Avenue	23.1
16	Paddy Dobbin Drive between Brighton Place & Oakridge Drive	22.6
17	Craigmillar Avenue	22.6
18	56 Regent Street	22.5
19	245 Frecker Drive	22.5
20	34 Ladysmith Drive	22.0
21	Barachois Street	21.3
22	Smithville Crescent	20.9
23	18 Regent Street	20.6
24	54 Castle Bridge Drive	20.2
25	41 Terra Nova Road	19.9
26	Springdale Street	19.2
27	63 Keith Drive	17.2
28	Ferryland Street East	15.8
29	Southside Road	13.8
30	35 Petite Forte Drive	12.9
31	Petite Forte Drive	11.3

* The table is up to the date of this note preparation time.

Table 5: Streets didn't Pass Pre-screening Criteria*

Location	Location
Parkhill Street	Pennywell Road - Morris Ave
Ladysmith Drive - between Kiwanis Street and Great Eastern Avenue	Prince of Wales Street
Ladysmith Drive - north of Great Eastern	Tullamore Street
Aldershot Street	93 Waterford Bridge Road

Location		Location	
Berteau Street		Brad Gushue Crescent Between Riuss Howard and Russ Howard	
Carpasian Road		Brad Gushue Crescent Between Russ Howard Street and Gold Medal Drive	
220 Frecker Drive		83 Macbeth Drive (Monday)	
Hall's Road		83 Macbeth Drive (Saturday)	
Harrington Drive		Mount Cashel Road	
Seaborne Street		Ridge Road - le Centre Communautaire et Scolaire des Grands-Vents	
Birmingham Street		Smithville Crescent	
Gloucester Street - Hunts Lane		Wabush Place	
Tree Top Drive		Paddy Dobbin Drive between Bavidge Street & Oakridge Drive	
87 Canada Drive		Castle Bridge Crescent	
Cherokee Drive		Signal Hill Road	
Churchill Ave		Great Eastern Avenue	
Livingstone Street		Bristol Street	
Nascopie Crescent		107 Canada drive	
329 Newfoundland Drive		Castle Bridge Road	
Teakwood Drive		Cormack Street	
Amherst Heights		Cowan Avenue	
Barrows Road Weekday		Emerson Street	
Barrows Road Weekend		Empire Avenue - East End	
Bonaventure Ave - Between Fleming Street and Merrymeeting Road		Fahey Street	
236 Brookfield Road		Fitzpatrick Avenue	
Firdale Drive		Hamilton Avenue	
300 Frecker Drive		Kennas Hill	
63 Macbeth Drive		Kerr Street	
McNiven Place		Maxwell Place	
Newfoundland Drive St Pauls School		Military Road	
Smith Avenue		Forbes Street	
Barnes Road		10 Waterford Heights South	
Bells Turn		110 Cowan Avenue	
Cypress Street		15 Boland Street	
Howley Aveune		16 O'Neils Ave	
Linegar Aveune		28 Waterford Heights North	
91 Monkstown Road		34 Beaver Brood Dr	
Regent Street		39 Hennesey Line	
129 Rennies Mill Road		399 Hamilton Ave	
Cheeseman Drive		52 Donovans Road	
Cornwall Heights		88 Della Drive	
Eastbourne Crescent		Beaumont Street	

Location	Location
Ennis Avenue	Clearview Street
Fouth Pond Road	Gambier Street
Gander Crescent	Howletts Line
Gold Medal Drive	Kieley Drive
Harrington Drive	Shoal Bay Road
Knowing Street	Tamarack Street
Ladysmith Drive	101 Macbeth Drive
Livingstone Street	14 Tullamore Street
Maddox Cove Road	32 Fox Avenue
Mount Scio Road (Power Station)	69 Fox Avenue
Rutledge Crescent	70 Macneth Drive
Stirling Crescent	262 Frecker Drive
Sunset Drive	Adams Avenue
Tobin Crescent	Bay Bulls Road
Tree Top Drive	Bonaventure Ave
Watson Crescent	Exeter Avenue
Anspach Street Civic # 223	Falkland Street
Prince of Wales Street	Grenfell Avenue
Groves Road	36 Anthony Avenue
Halifax Street	45 Linegar Avenue
Holbrook Avenue	52 Montague Street
Jordan Place	56 Carpasian Road
Laurier Street	62 Teakwood Drive
Mooney Crescent	7 Anthony Avenue
Prospero Place	81 Montague Street
Riverside Drive East	Bannerman Road
Sequoia	Brier Avenue by Apartment Building
Sgt Craig Gillam	Brier Avenue
St Shotts Place	Densmore's Lane
Tamatack Street	Green Acre Drive
Walwyn Street	Griffins Lane
Wishingwell Road	Heavy Tree Road Shady Brook
Montague Street Civic 51	Lake View Drive
Larkhall Street	Royal Oak Drive
43 Golf Avenue	St Shott Place
6 Blackmarsh Road	Watson Crescent
Barters Hill	116 Ladysmith Drive
Casey Street	217 Ladysmith Drive
Shaw Street	41 Graves Street
109 Strawberry Marsh Road	47 Ladysmith Drive
129 Pennywell Road	50 Hoyles Avenue
151 Pennywell Road	61 Hoyles Avenue

Location		Location	
17 Glenridge Crescent		62 Prince of Wales Street	
249 Portugal Cove Road		47 Bennett Ave	
25 Portugal Cove		32 Kerry Street	
28 Wedgeport Road		337 Newfoundland Drive	

* The table is up to the date of this note preparation time.

Key Considerations/Implications:

1. Budget/Financial Implications:

This program currently has \$ 89,446.22 available, which includes budget from previous allocations. Considering the current market prices, a sample cost estimate (15% tax included) is noted below:

- **Temporary installation (Installation and removal):** a set of speed cushions consists of 3 units at \$1,800. For a road segment of 450- 500 meter length, 3 sets of speed cushions would be required (9 units total), the estimated cost then is \$ 5,400 on the assumption that the City owns the speed cushions (If the City has to purchase new units, the cost per unit would increase by \$1,010 per unit).
- **Permanent installation:** for a set of speed cushions consisting of 3 units is \$4,650. For a road segment of 450- 500 meter length, 3 sets of speed cushions would be required (9 units) the estimated cost then is \$13,950.

Based on the above cost estimates for labor and material, one road segment (9 units) would cost:

- **\$19,350** excluding the cost of purchasing the temporary units.
- **\$28,440** including the cost of purchasing the temporary units.

Currently, the City has **45 units** of temporary speed cushions. This will leverage the implementation of temporary traffic calming measures for up to 5 road segments. For the City to fully implement traffic calming on 5 road segments on an annual basis the estimated cost would be **\$96,750** (this includes both temporary and permanent speed cushion installations).

If the City wishes to implement traffic calming on 10 road segments per year, then the annual budget would need to be increased by approximately **\$193,500** (with the first year of implementation requiring an additional **\$45,450** to purchase the extra 45 temporary speed cushion units).

*Accordingly, the current annual allocation of **\$50,000** will be sufficient for approximately two road segments. If we target to complete 5 or 10 road segments for implementation, then the annual budget of **\$100, 000** or **\$200,000**, respectively, would be required. With such a long list of eligible streets, increasing the budget would be the best way to expeditiously get through the list.*

2. Partners or Other Stakeholders:
n/a

3. Alignment with Strategic Directions/Adopted Plans:
n/a

4. Legal or Policy Implications:
n/a

5. Privacy Implications:
n/a

6. Engagement and Communications Considerations:
n/a

7. Human Resource Implications:
n/a

8. Procurement Implications:
n/a

9. Information Technology Implications:
n/a

10. Other Implications:
n/a

Conclusion/Next Steps:

The discussion above is provided for information only.

Report Approval Details

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Attachments:	
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This report and all of its attachments were approved and signed as outlined below:

No Signature found

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