



REPORT TO COUNCIL

To: **Mayor Schaffer and Councillors**

Subject **Traffic Calming on 198 Street at Brydon Park**

Report #: 17-030

From: Kara Jefford, P.Eng. Manager of Engineering Services

File #: 5460.06

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Date: June 1, 2017

RECOMMENDATION:

1. THAT Council approve Traffic Calming Option B on 198 Street from 53 Avenue to 56 Avenue for an estimated cost of \$42,000.
2. THAT Council approve additional Traffic Calming Measures based on the public feedback such as curb extensions at the intersection of 198 Street and 53 Avenue and a fence along the 198 Street frontage of Brydon Park at an estimated cost of \$56,000.
3. THAT Council approve Traffic calming on 53 Avenue east of 198 Street – up to four (4) speed humps and a raised crosswalk at the entrance to Brydon Lagoon at an estimated cost of \$36,000.

PURPOSE:

To present the results of the 198 Street Traffic Calming public input to Council and to recommend the preferred concept for Traffic Calming to be implemented on 198 Street fronting Brydon Park.

POLICY:

Traffic Calming Policy – CO-47

COMMENTS/ANALYSIS:

The City has received numerous traffic calming requests to address speed and safety concerns on 198 Street. The main concerns communicated to staff involve vehicle speeds exceeding 50 km/hr and safety concerns with the intersection of 198 St and 53 Avenue. Staff evaluated these requests based on many factors which are outlined in the City Traffic Calming Policy CO-47. The traffic volumes and speeds were measured on 198 Street and met the warrant criteria for traffic calming.

To gauge community support for traffic calming, 630 ballots were sent out to the area surrounding the school and 192 were returned, representing a 30% response rate. The results of the returned ballots were as follows: Yes: 158 (82%) No: 34 (18%).

Three concept plans were created to show various traffic calming measures which could be implemented on 198 Street. These options were presented at a Public Open House held at Nicomekl Elementary School on May 31, 2017 and on the City website. Copies of the three concepts presented for public input are attached.

Thirty-five people attended the open house and Thirty-three (33) submitted comment forms– the concept plans were on the website for one week following the public open house for additional comments from those unable to attend the meeting. A summary of the public feedback on the traffic calming concept plans presented for 198 Street is shown in the table below.

Option	A	B	C	No Traffic Calming	Combine A & B	Combine B & C
# votes	6	14	2	1	4	6
Estimated Cost	\$65,000	\$42,000	\$103,000	-	\$107,000	\$145,000
Features	Speed humps (2) Curb Extensions at 53 Ave	Speed humps (4) Raised Crosswalks (2)	Curb bulges and road narrowing from 53 Ave to 54 Ave	-		

On the feedback forms there were many common requests. Here is a detailed listing with the number of people requesting in brackets:

- Speed bumps on 53 Avenue east of 198 Street (11)
- Fence Brydon Park Playground (7)
- Raised crosswalk joining Hydro ROW path to Trail at Brydon Lagoon (6)
- Curb extensions on all four corners at 53 Avenue and 198 Street (6)
- Rapid Flashing Beacon at crosswalks (6)
- No parking zones adjacent to driveway entrances of Condo buildings underground parking (4)
- Roundabout at 198 St and 53 Ave (4)
- Narrow 53 Ave the street the same as 203 St (3)
- Implement 30km signage at Montessori school zone (3)

Based on the feedback, most residents who viewed the concepts preferred some combination of road narrowing curb bulges and speed humps. Option B (plus) includes four speed humps and two raised crosswalks is recommended (budget of \$42,000) plus additional Traffic Calming measures as follows:

- Four (4) speed humps on 53 Avenue east of 198 Street - \$24,000
- Raised crosswalk at Hydro ROW path and Trail to Brydon Lagoon - \$12,000
- Fence along 198 St frontage of Brydon Park - \$6,000
- Install curb extensions on 198 Street \$50,000 at the intersection of 53 Avenue
- Curb extensions on 198 St – to be done as part of rezoning approvals for corner properties at intersections and laneways between 53 Avenue and 56 Avenue.

The total cost of the recommended work is \$134,000.

The additional measures listed on the feedback forms and not included above could be considered in future including rapid flashing beacons at crosswalks, a roundabout at 198 St and 53 Avenue and road narrowing or curb extensions on 53 Avenue. The need for these could be assessed after the implementation of initial traffic calming in 2017. Staff will analyse the need for a 30km/hr speed zone on 198 Street and 55A Avenue using the Transportation Association of Canada (TAC) School and Playground Areas and Zones: Guide for Application and Implementation. Staff will also review the requests for no parking zones on a case by case basis; however the slower speeds along the corridor as a result of traffic calming should help ameliorate the sight distance issues.

BUDGET IMPLICATIONS:

This project is within the 2017 Traffic Calming budget of \$400,000; however, the increased scope of traffic calming recommended may result in reducing the budget for other traffic calming priorities, such as the estimated \$158,000 of traffic calming measures recommended on 50 Avenue and in the surrounding neighbourhood, and Michaud Crescent and 201A Street at Linwood Park. Subject to the results of the public consultation for Michaud Crescent and 201A Street at Linwood Park, an additional budget may be required to complete the desired traffic calming all the locations. This would be brought forward by staff under a separate report.

ALTERNATIVES:

- Not proceed with traffic calming on 198 Street and 53 Avenue.
- Proceed with Traffic Calming on 198 Street but not on 53 Avenue.
- Proceed with alternative traffic calming measures on 50 Avenue.

Respectfully Submitted,



Kara Jefford P. Eng.
Manager of Engineering Services

Attachment(s):

CHIEF ADMINISTRATIVE OFFICER'S COMMENTS:

I support the recommendation.



Francis Cheung, P. Eng.
Chief Administrative Officer