

## **COMMITTEE OF THE WHOLE – JUNE 23, 2009**

### **ALLWAY STOP CONTROL AT BEVERLEY GLEN BOULEVARD AND WORTH BOULEVARD – WARD 4**

#### **Recommendation**

Councillor Sandra Yeung Racco recommends:

1. That an allway stop control be installed at the intersection of Beverley Glen Boulevard and Worth Boulevard.

#### **Contribution to Sustainability**

N/A

#### **Economic Impact**

The cost to install the stop signs is provided for in current Operating Budgets. The ongoing costs to maintain the signs would be an impact to future Operating Budgets.

#### **Communications Plan**

N/A

#### **Purpose**

To control traffic issues at the intersection of Beverley Glen Boulevard and Worth Boulevard.

#### **Background - Analysis and Options**

Residents, as well as the principal of Wilshire Elementary School, contacted our office regarding traffic concerns at the intersection of Beverley Glen Boulevard and Worth Boulevard. Traffic Engineering staff went out and did a traffic study, which determined that an allway stop is warranted at this intersection.

#### **Relationship to Vaughan Vision 2007**

A-2 Promote Community Safety, Health & Wellness

This report is consistent with the priorities previously set by Council and the necessary resources have been allocated and approved.

#### **Regional Implications**

None

#### **Conclusion**

In response to concerns outlined by area residents, and as per the traffic study completed by Staff, it is recommended that an allway stop control be placed at the intersection of Beverley Glen Boulevard and Worth Boulevard.

#### **Attachments**

1. Traffic Study completed for Beverley Glen Boulevard and Worth Boulevard

**Report prepared by:**

Cindy Furfaro-Benning, Council Administrative Assistant

Respectfully submitted,

Sandra Yeung Racco  
Councillor, Ward 4

**Furfaro, Cindy**

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**From:** Graziosi, Jack  
**Sent:** Friday, June 19, 2009 8:13 AM  
**To:** Furfaro, Cindy  
**Cc:** Racco, Sandra; Robinson, Bill; Guida, Amanda; Glenn, Cynthia; Dokman, Mike; Ranstoller, Mark  
**Subject:** Traffic on Beverly Glen - Wilshire

Cindy,

Reference is made to Councillor Yeung-Racco's inquiry of January 20, 2009.

Please be advised that staff have completed their review of Beverly Glen Boulevard at Worth Blvd/Wilshire PS entrance, and can provide the following summary.

A turning movement count was conducted at Beverly Glen and Worth on April 7, 2009 from 7-9am, 11-2pm, and 3-6pm to determine if the intersection warrants traffic signals.

Warrant #1 - Minimum Vehicular Volumes 68%  
Warrant #2 - Delay to Cross Traffic 55%  
Warrant #3 - Accident Experience 0%

Traffic signals are warranted when one of the above warrants are met 100% or more, or two of the above warrants are met 80% or more. There were no recorded vehicle collisions within a twelve month period susceptible to correction by a traffic signal. As neither requirement was met, the installation of traffic signals at this intersection is not warranted.

Though the roadways and the school access form a cross intersection, it actually operates as a tee intersection with the school's west access as the entrance into the site. The traffic volumes are relatively low outside of the school peak hours. The traffic volumes will not meet the minimum requirements for a traffic signal in the future.

Automatic Traffic Recorder data was also collected in April for 24 hour collection periods on Beverly Glen east of Ventura Way (east intersection) and on Worth Boulevard north of Beverly Glen Boulevard. The collected volumes are appropriate for feeder type roadways (not exceeding 8,000 vehicles/day).

Beverly Glen Eastbound, highest 24 hour volume 3655 vehicles  
Beverly Glen Westbound, highest 24 volume 2459 vehicles

Worth Boulevard Northbound, highest 24 hour volume 1861 vehicles  
Worth Boulevard Southbound, highest 24 hour volume 1735 vehicles

General observations were conducted on Beverly Glen Boulevard in front of Wilshire School in February 2009 on two separate days (Feb. 6th, and Feb. 10th).

- All vehicles obeyed the pedestrian signal in front of the school.
- The internal school lot and parking area appears too small to accommodate the number of arriving vehicles.
- There is an existing parking prohibition on both sides of Beverly Glen from Worth to Ventura Way (west intersection)
- Vehicles were noted parked on Beverly Glen on both sides from Redford Place to Redondo Drive.
- Queuing of vehicles within the internal loop made the access difficult for arriving and departing school buses.
- Continuous operation of the pedestrian signal and inbound/outbound movements at the school driveways greatly increased queuing on Beverly Glen Boulevard .

The approximate cost to remove the existing pedestrian signal in front of the school, restore sod and boulevard repair, purchase of a new traffic signal controller/cabinet, relocate the usable above ground signal equipment and install a full traffic signal at Beverly Glen and Worth Blvd is \$120,000.

To summarize, the traffic signal installation at Beverly Glen and Worth is not warranted based on the study results. The observed queuing on Beverly Glen Boulevard is problematic during school start and dismissal times, but is not problematic outside of these times. There are existing parking prohibitions installed on Beverly Glen in front of the school; however, these prohibitions were not obeyed during observations. Staff will send a request to By-Law Enforcement Services for enforcement of the existing prohibitions.

The school's internal lot is quickly filled during school start and dismissal times, and greatly contributes to the on-street parking and queuing on Beverly Glen Boulevard.

Staff reviewed the warrants to determine if an all-way stop control is met at the intersection. Based on analysis of the peak hours during the morning, mid-day and afternoon peak periods, all time periods met the Provincial All-way Stop Warrant. The installation of an all-way stop control may be beneficial at this intersection to control vehicle movements entering the school's access and exiting from Worth Blvd onto Beverly Glen Blvd. There are existing delays and queuing on Beverly Glen Blvd during the school peak time periods. The addition of stop signs on Beverly Glen Blvd would slightly increase these delays and vehicle queues.

If you have any questions with respect to the information provided, please feel free to contact me, or Mike Dokman, Supervisor of Traffic Engineering.

Thanks,  
Jack

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**From:** Dokman, Mike  
**Sent:** Monday, January 26, 2009 10:01 AM  
**To:** Furfaro, Cindy  
**Cc:** Guida, Amanda; Glenn, Cynthia; Robinson, Bill; Ranstoller, Mark  
**Subject:** RE: Traffic on Beverly Glen - Wilshire

Hi Cindy,

I discussed this matter with Aneta Fishman on Friday to fully understand the concerns. There are several issues as noted below:

1. the suggestion below regarding the prohibition or a similar prohibition at the school access
2. the volume of traffic on both Beverley Glen in front of the school and on Worth
3. the existing pedestrian signal is cause for concern and is it a possibility to place full traffic signals at Beverley Glen/Worth intersection
4. the overall vehicle, school bus and children activity in front of the school

I mentioned that general observations will be scheduled over the next three weeks and possibly be on site during two morning and afternoon time periods. The traffic data collection will be scheduled the week of April 6th when the weather should be decent. Aneta agreed to the timing of the above.

I am requesting Mark to follow up with the above schedule and keep all informed of his progress and discussions with Aneta.

Thanks, Mike