TORONTO

STAFF REPORT
ACTION REQUIRED

Proposed Pedestrian Crossover at the intersection of Oasis Boulevard and Pinoak Street

Date:	August 6, 2008
To:	Scarborough Community Council
From:	Director, Transportation Services, Scarborough District
Wards:	Ward 42 – Scarborough-Rouge River
Reference Number:	P:\2008\Cluster B\TRA\Scarborough\sc08055 D08-2836338 (D08-511) Oasis Boulevard Pedestrian Safety

SUMMARY

This staff report is about a matter for which the Community Council does have delegated authority from City Council to make a final decision.

This report describes a review of the feasibility of installing a Pedestrian Crossover (PXO) at the intersection of Oasis Boulevard and Pinoak Street. The technical warrants for a PXO are met at the subject location. The pedestrian volume crossing Oasis Boulevard is sufficient to justify this type of installation**.**

The existing location of the "School Crossing" will be used, and modifications will include: overhead fixtures, flashing amber beacons, and pedestrian push buttons on either side of Oasis Boulevard.

RECOMMENDATIONS

Transportation Services, Scarborough District, recommends that Scarborough Community Council:

1. Approve the installation of a Pedestrian Crossover on Oasis Boulevard at the south side of Pinoak Street.

2. Pass or amend the appropriate by-law(s) accordingly.

Financial Impact

The estimated cost of installing the proposed Pedestrian Crossover is approximately $30,000.00. The funding for this device is available in the Transportation Services Capital Works Budget, under Project No. CTP708-01.

ISSUE BACKGROUND

Further to a request from Councillor Raymond Cho, on behalf of Brookside Public School, and residents in the area of the subject school, Transportation Services staff has conducted a traffic study to determine whether a pedestrian crossing device should be installed at the subject intersection.

Concerns about pedestrians experiencing difficulties crossing to/from Brookside Public School prompted this request.

Currently school children cross with the assistance of student patrol guards (overseen by an adult volunteer) which operate the "School Crossing" at the proposed site of the "Pedestrian Crossover". Older children attending Brookside Public School also assist younger children during peak crossing periods.

COMMENTS

Key characteristics for this portion of Oasis Boulevard include:

- It is a 8.6 metre wide collector roadway with an existing school crossing.
- It is a two-lane cross-section with a single lane of traffic both northbound and southbound.
- It has an average daily traffic volume of 5,083 vehicles per day (vpd).
- It has a signed speed limit of 40 kilometres per hour (km/h).

Brookside Public School is located on the east side of Oasis Boulevard, Pinoak Steeet is located on the west side.

Pedestrian Crossing Volume

Study Date: Thursday, April 17, 2008

Pedestrian Characteristics	Eight-Hour Pedestrian Crossing Volume		
	South Side	North Side	Total – Both Sides
Assisted Children*	56	5	61
Unassisted Children	163	24	187
Youths / Adults	110	10	120
Senior Citizens	1	0	1
Total Pedestrian Volume	330	39	369

* Assisted Children are children crossing the road accompanied by a youth, an adult or a senior citizen.

Of the 369 pedestrians, 330 (89%) were generated by Brookside Public School located on the east side of Oasis Boulevard at Pinoak Street.

Toronto Police Service Collision Records

Five-year review period for which data is available: January 1, 2003 to December 31, 2007.

Five-Year Collision Information	Number of Reported Collisions					
	2003	2004	2005	2006	2007	Total
Total Collisions at Intersection	0	1	0	0	0	1
Collisions Involving Pedestrians Crossing Oasis Boulevard	0	0	0	0	0	0

There have been no reported pedestrian collisions at this location.

Pedestrian Crossover Warrant Study

Pedestrian Crossover Warrant	Compliance Level
Pedestrian Volume	110 %
Pedestrian Delays	165 %

- For a pedestrian crossover to be numerically justified, both the "Pedestrian Volume" and "Pedestrian Delays" warrants must be 100% satisfied.

As outlined in the above table, the pedestrian volume and delays satisfy the requirements to install a pedestrian crossover.

When installed, the pedestrian crossover will assist pedestrians crossing Oasis Boulevard. The pedestrian crossover will feature a lit overhead fixture along with flashing amber beacons.

In the future, Passmore Avenue will be closed at the Canadian Pacific Railway crossing north of this location. While this may alter transient traffic volumes along Oasis Boulevard, it is anticipated that the PXO will continue to be warranted due to further residential development north of this location.

PXO "Environmental Standards"

Transportation Services staff conducted a detailed review of the proposed pedestrian crossover and compared the standards at this location with the recommended design standards or "environmental standards" for pedestrian crossover as developed by the

Province of Ontario in consultation with Ontario municipalities. These criteria describe characteristics of a roadway environment suitable for this type of control, and indicate factors which would make a pedestrian crossover unsuitable or potentially unsafe. The results of the "environmental standards" review revealed that the location on Oasis Boulevard, which is the site of the School Crossing would be a suitable location for a pedestrian crossover.

CONTACT

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SIGNATURE

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JE:ca

ATTACHMENTS

1. Appendix 1 – Regulation to be Enacted
2. Location Plan - (Proposed Pedestrian Crossover at Oasis Boulevard and Pinoak Street)

Appendix 1

"Pedestrian Crossover Locations"
Regulation to be Enacted

(In Column 1) Road	(In Column 2) At
Oasis Boulevard	Pinoak Street