



STAFF REPORT ACTION REQUIRED

Installation of Traffic Control Signals: Laird Drive at Esandar Drive

Date:	October 14, 2011
To:	North York Community Council
From:	Director, Transportation Services, North York District
Wards:	Wards 26 – Don Valley West
Reference Number:	<i>ny11130</i>

SUMMARY

As the Toronto Transit Commission (TTC) operates a transit service on Laird Drive, City Council approval of this report is required. TTC staff has been consulted on the proposed signal installation and have not objected to the proposal.

To obtain approval for the installation of traffic control signals at the intersection of Laird Drive and Esandar Drive and the removal of the existing pedestrian crossover (PXO) at the intersection of Laird Drive and Lea Avenue.

The installation of traffic control signals at this location will satisfy conditions of site plan approval of the development at 85 and 115 Laird Drive while providing a safe environment for both vehicular and pedestrian traffic.

RECOMMENDATIONS

Transportation Services, North York District recommends that City Council:

1. Approve the installation of traffic control signals at the intersection of Laird Drive and Esandar Drive: and
2. Approve the removal of the existing pedestrian crossover (PXO) at the intersection of Laird Drive and Lea Avenue.

Financial Impact

All costs associated with the installation of the traffic control signals at the intersection of Laird Drive and Esandar Drive and the removal of the existing PXO at the intersection of Laird Drive and Lea Avenue, estimated at \$175,000.00, are to be borne by the developer, FCHT Holdings (Ontario) Corporation.

ISSUE BACKGROUND

Laird Drive is a four lane major arterial roadway with a regulatory speed limit of 50 km/h. The intersection of Laird Drive and Esandar Drive is located approximately 370 metres south of the signalized intersection of Laird Drive and Commercial Drive and 260 metres north of the signalized intersection of Laird Drive and Millwood Road. A PXO is also located approximately 100 metres north of Esandar Drive at Lea Avenue and Laird Drive. As part of the site plan agreement, it was identified that it would be beneficial to replace the subject PXO with the installation of traffic control signals at Laird Drive and Esandar Drive given that it is closely spaced at 100 metres north of the proposed traffic control signals at Laird Drive and Esandar Drive. Esandar Drive runs east of Laird Drive and is a local east/west roadway which forms a T-intersection with Laird Drive. The area is currently occupied by retail and commercial uses.

To date, under Site Plan Application 09 167102 NNY 26 SA, the site has been approved to construct and occupy up to approximately 11,295 square metres of commercial development consisting of retail, service, and office use.

COMMENTS

The removal of the existing PXO at the intersection of Laird Drive and Lea Avenue and the installation of traffic control signals at the intersection of Laird Drive and Esandar Drive would encourage a higher level of vehicle and pedestrian safety on Laird Drive in the vicinity of the subject development.

Based on the results of a Traffic Impact Study, the signalization of the intersection of Laird Drive and Esandar Drive has been identified as necessary in order to accommodate the additional traffic resulting from the proposed increase development on Esandar Drive. The proposed traffic control signal will distribute site traffic to and from the area road network thereby improving safety and efficiency of traffic circulation and protected pedestrian crossings at this intersection.

The technical requirements for the installation of traffic control signals at Laird Drive and Esandar Drive are satisfied as follows:

Warrant		Compliance
Warrant 1	Minimum Vehicular Volume	75%
Warrant 2	Delay to Cross Traffic	100%

To consider the installation of traffic of control signals, one of either the Minimum Vehicular Volume or Delay to Cross Traffic warrants must be 100 percent satisfied, or both must be at least 80 percent satisfied.

The installation of traffic control signals at the intersection of Laird Drive at Esandar Drive will satisfy the condition for approval of the proposed development while providing a safer environment for both vehicle and pedestrian traffic.

The Ward Councillor is aware of the proposal to remove the existing PXO at Laird Drive and Lea Avenue and installing traffic control signals at Laird Drive and Esandar Drive.

CONTACT

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SIGNATURE

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 Director

ATTACHMENTS

Attachment 1: Map – Laird Drive at Esandar Drive; Traffic Control Signals