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SPEED LIMIT REVISION
LANGSTAFF ROAD
CITY OF VAUGHAN

The Transportation and Works Committee recommends the adoption of the recommendations contained in the following report, June 2, 2006, from the Commissioner of Transportation and Works:

1. RECOMMENDATIONS

It is recommended that:

1. The existing speed limit of 50-km per hour on Langstaff Road (Y.R. 72) from the east limit of Pine Valley Drive (Y.R. 57) to the west limit of Jane Street (Y.R. 55), in the City of Vaughan, be increased to 60-km per hour.
2. The Regional Solicitor prepare the necessary by-law.
3. The Regional Clerk forward this report to the Clerk of the City of Vaughan and to the Chief of York Regional Police.
4. York Regional Police be requested to assist with the enforcement of this speed zone, as their resources permit.

2. PURPOSE

The purpose of this report is to obtain Council authorization to change the existing speed limit regulation on Langstaff Road between Pine Valley Drive and Jane Street, in the City of Vaughan, from 50-km per hour to 60-km per hour. A plan showing the location of the road section is shown in *Attachment 1*.

In accordance with the *Highway Traffic Act*, a Regional by-law is required, in addition to the posting of appropriate speed limit signs, before any of the proposed changes can be enforced.

3. BACKGROUND

Regional staff have received numerous requests from local residents in the City of Vaughan, requesting that the existing speed limit of 50-km per hour on Langstaff Road from Islington Avenue to Jane Street be increased to 70-km per hour.

Langstaff Road, between Islington Avenue and Weston Road, was recently reconstructed from a two-lane rural roadway to a five-lane urban roadway carrying approximately 9,300 vehicles per day. This road section serves residential developments on both the north and south side of Langstaff Road.

Langstaff Road, between Weston Road and Jane Street, is a five-lane urban roadway carrying approximately 16,700 vehicles per day. This road section serves many industrial/commercial access points with traffic control signals and provides access to, and from, the south on Highway 400.

4. ANALYSIS AND OPTIONS

At its meeting of September 23, 2004, Regional Council adopted a new policy on setting speed limits on the Regional road system. This policy is based on a number of factors which include field studies to determine operating speeds, analyzing collision data to identify any relevant patterns or trends, assessing roadway characteristics, and evaluating existing or proposed adjacent land uses.

Regional staff conducted speed studies along Langstaff Road between Islington Avenue and Jane Street on February 28, 2006. Table 1 displays the criteria and the results of the speed studies.

Table 1
Speed Limit Policy Criteria

Speed Limit Policy Criteria	Langstaff Road between Islington Avenue and Weston Road	Langstaff Road between Weston Road and Jane Street
Existing Posted Speed Limit	50 km/hr	50 km/hr
Study Section Length	2.8 km	2 km
Environment	Urban	Urban
*85th Percentile	76 km/hr	70 km/hr
Driveways		
North Side	1	5
South Side	0	8
Adjusted Pedestrian Volume	20 Crossing Langstaff Rd.	60 Crossing Langstaff Rd.
8-hour Vehicular Volume	9, 300 Veh/day	16, 700 Veh/day
Policy Recommendation		
Posted Speed Limit	70 km/hr	60 km/hr

**The speed at or below which 85 % of free flowing vehicles are traveling.*

The speed study results indicate that there is a low compliance to the 50-km per hour posted speed limit. The results of the review of the Council adopted policy indicate that Langstaff Road between Islington Avenue and Weston Road should be posted at 70-km

per hour and Langstaff Road between Weston Road and Jane Street should be posted at 60-km per hour.

Langstaff Road, between Weston Road and Jane Street is currently posted at 50-km per hour and it is recommended by Regional staff that it be increased to 60-km per hour to provide higher compliance of the posted speed limit.

Langstaff Road, between Pine Valley Drive and Jane Street is currently posted at 50-km per hour and it is recommended by Regional Staff that it be increased to 60-km per hour instead of the policy recommendation of 70-km per hour. It is anticipated that a uniform posted speed limit across Langstaff Road will provide greater consistency in the posted speed limit.

The section of Langstaff Road between Islington Avenue and Pine Valley Drive is a reverse curve with some access points. It is proposed to keep this section posted at 50-km per hour because of the sight distance restriction due to the reverse curve.

5. FINANCIAL IMPLICATIONS

The costs associated with the manufacture and installations of the new speed limit signs are included within the 2006 Roads Budget.

6. LOCAL MUNICIPAL IMPACT

The recommended revision to the speed limit relates to the Regional road system with no direct impact on the local municipality. The changes to the posted speed limit are intended to improve the level of speed compliance in these areas.

City of Vaughan staff have been notified of the recommendations set out in this report and have no objections.

7. CONCLUSION

Regional staff have received numerous requests from local residents to review the posted speed limit on Langstaff Road between Islington Avenue and Jane Street. As a result of this review, it is proposed that the existing, posted speed limit of 50-km per hour be increased to 60-km per hour.

A Regional by-law is required before any speed limit can be enforced. It is, therefore, recommended that the Regional Solicitor prepare the necessary by-law and that this report be forwarded to the Clerk of the City of Vaughan, and to the Chief of York

Regional Police with a request to enforce the new regulatory speed limit as their resources permit.

The Senior Management Group has reviewed this report.

(The attachment referred to in this clause was included in the agenda for the June 14, 2006 Committee meeting.)