

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF JUNE 7, 2016

Item 12, Report No. 24, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on June 7, 2016.

12

**'U-TURN' PROHIBITION REVIEW
PINE VALLEY DRIVE, NORTH OF LANGSTAFF ROAD
WARD 2 AND WARD 3**

The Committee of the Whole recommends:

- 1) That the recommendation contained in the following report of the Deputy City Manager of Public Works and the Director of Transportation Services, Parks and Forestry Operations, dated May 31, 2016, be approved; and**
- 2) That the Region be requested to formalize a longer green time for left turns during the afternoon peak traffic hours northbound at Pine Valley Drive and Langstaff Road.**

Recommendation

The Deputy City Manager of Public Works and the Director of Transportation Services, Parks and Forestry Operations recommend:

1. That a By-law be enacted to amend By-law 284-94, the Consolidated Traffic By-law, to add a U-turn prohibition on Pine Valley Drive, north of Langstaff Road to Intersite Place.

Contribution to Sustainability

This report contributes to the goals and objectives within Green Directions Vaughan, The City's Community Sustainability and Environmental Master Plan, specifically:

Goal 3: To ensure that Vaughan is a city that is easy to get around with a low environmental impact.

Objective 3.2: To develop and sustain a network of roads that supports efficient and accessible public and private transit.

Economic Impact

The cost associated with the installation of the U-turn prohibition signage has been included in the approved 2016 Operating Budget. The ongoing costs to maintain the signage will be incorporated into future year operating budgets.

Communications Plan

Staff will notify York Regional Police, and request enforcement of this prohibition.

Purpose

To review the feasibility of implementing a U-turn prohibition on Pine Valley Drive north of Langstaff Road.

Background – Analysis and Options

Pine Valley Drive north of Langstaff Road is under jurisdiction of the City of Vaughan, and is a local roadway with an 18.5 metre right-of-way and a 7.0 metre pavement width. The road is a two

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF JUNE 7, 2016

Item 12, CW Report No. 24 – Page 2

lane rural cross-section, and no sidewalks exist on either side of the roadway. Pine Valley Drive south of Langstaff Road and Langstaff Road (including the intersection of Pine Valley Drive and Langstaff Road) are under jurisdiction of the Region of York. The area is shown in Attachment No.1.

Heavy demand for northbound left turns at the intersection of Pine Valley Drive and Langstaff Road results in U-turn traffic movements.

Due to a heavy demand for northbound left turn movements at the intersection of Pine Valley Drive and Langstaff Road, motorists intending to turn left at the intersection are driving north on Pine Valley Drive through the intersection, creating undesirable northbound to southbound U-turn traffic movements.

The Region of York indicates that during its recent review on March 30, 2016, that the demand for northbound left turns during the afternoon peak traffic hour of 4:15pm to 5:15pm was 842 vehicles. Observations showed 32 vehicles making the U-turn movement on Pine Valley Drive north of Langstaff Road in order to travel westbound on Langstaff Road.

The intersection of Pine Valley Drive and Langstaff Road is operated by traffic signal control. The Region of York investigated the timing at the intersection and will implement a northbound left turn advance phase that will assist in servicing this movement.

U-turn traffic movements create safety concerns.

City staff conducted traffic studies on April 5th from 7:00am to 9:00am, and from 3:00pm to 6:00pm to supplement the York Region study. The number of U-turn movements observed is shown in the table below.

DATE	TIME	# OF U-TURNS
April 5, 2016	7:00a.m. to 9:00a.m.	2
	3:00p.m. to 6:00p.m.	40

The review showed the majority of U-turn movement activity occurs during the afternoon peak traffic hours, on Pine Valley Drive north of Langstaff Road to Intersite Place. This would correlate with the predominately heavier south-to-north traffic during the afternoon peak traffic hours.

Staff has confirmed that U-turn traffic movements increase the number of conflicting traffic movements, which can negatively impacts pedestrians, cyclists and motorists in the local community.

The proposed U-turn prohibition will be implemented on Pine Valley Drive north of Langstaff Road to Intersite Place.

To improve operations for pedestrians, cyclists and motorists within this community, a U-turn prohibition on Pine Valley Drive, north of Langstaff Road to Intersite Place is recommended. The proposed location will prohibit U-turns north of the existing centre island median where U-turn activity is taking place.

Relationship to Term of Council Service Excellence Strategy Map (2014-2018)

In consideration of the strategic priorities related to Term of Council Service Excellence Strategy Map (2014-2018), the recommended U-turn prohibition will improve traffic operations and safety for all road users, thus promoting community safety, health and wellness.

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF JUNE 7, 2016

Item 12, CW Report No. 24 – Page 3

Regional Implications

Both Pine Valley Drive south of Langstaff Road and Langstaff Road (including the intersection of Pine Valley Drive and Langstaff Road) are under jurisdiction of the Region of York. The City and Region have worked collectively to gather information to make improvements to the operations and facilitate the safer movement of traffic.

Conclusion

It is recommended to add a U-turn prohibition on Pine Valley Drive north of Langstaff Road to Intersite Place to facilitate the safer movement of traffic.

Attachment

1. Location Map

Report prepared by:

Mark Ranstoller, Senior Traffic Technologist, Ext. 6117
Margie Chung, Manager, Traffic Engineering, Ext. 6173

(A copy of the attachments referred to in the foregoing have been forwarded to each Member of Council and a copy thereof is also on file in the office of the City Clerk.)

'U-TURN' PROHIBITION REVIEW
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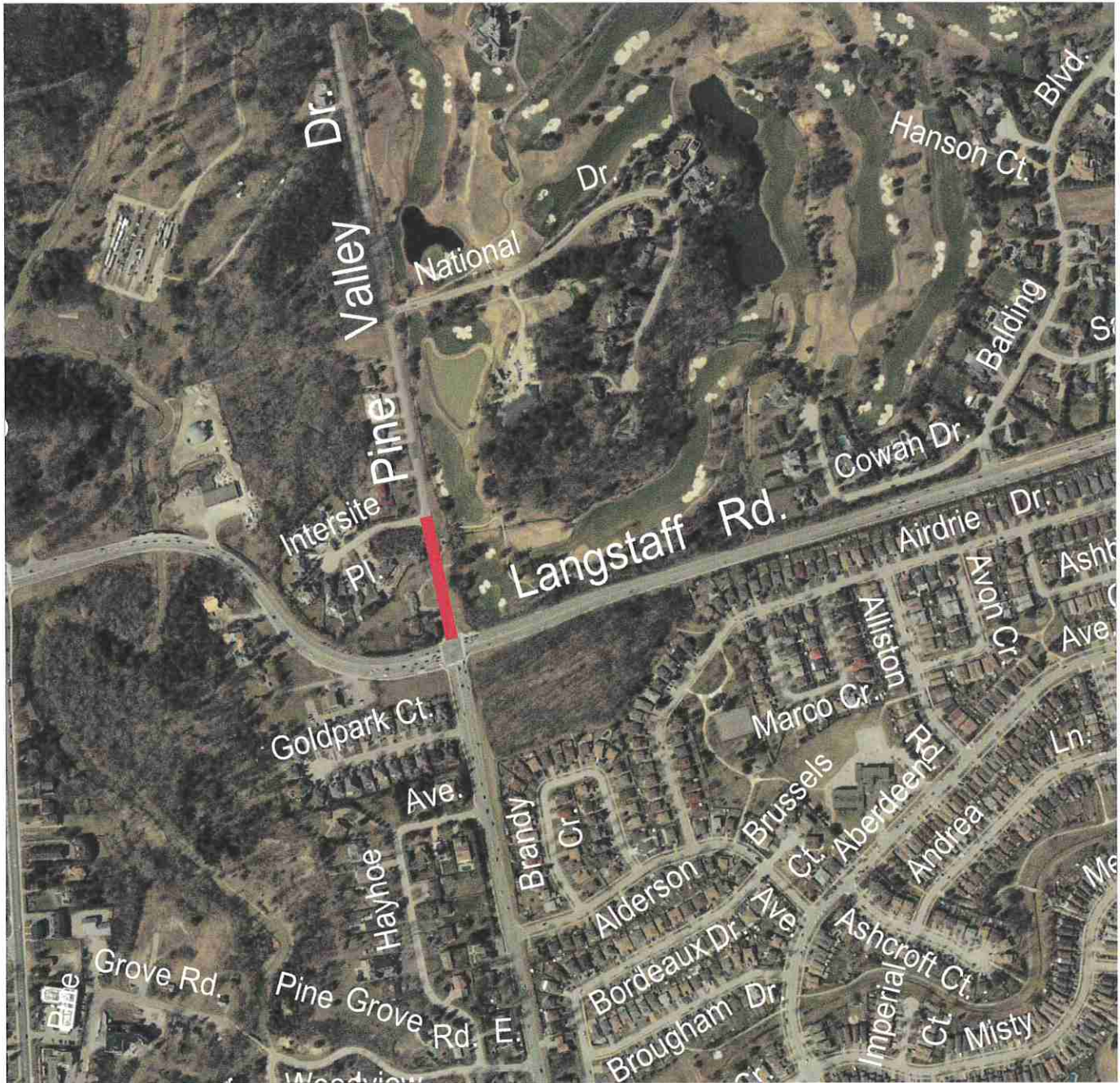
Mark Ranstoller, Senior Traffic Technologist, Ext. 6117
Margie Chung, Manager, Traffic Engineering, Ext. 6173

Respectfully submitted,

Paul Jankowski
Deputy City Manager of Public Works

Zoran Postic
Director of Transportation Services,
Parks and Forestry Operations

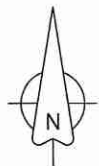
ATTACHMENT No. 1



U-TURN PROHIBITION REVIEW PINE VALLEY DRIVE AND LANGSTAFF ROAD WARD 2 AND WARD 3

LEGEND

 SUBJECT SITE



NOT TO SCALE