

COMMITTEE OF THE WHOLE – SEPTEMBER 15, 2003

JACKSON STREET TRAFFIC OPERATIONS

Recommendation

The Commissioner of Engineering and Public Works recommends:

1. That speed humps not be installed on Jackson Street;
2. That the Region of York be requested to review the feasibility of implementing an eastbound right turn prohibition during the hours of 7:00am to 9:00am at the intersection of Major Mackenzie Drive and Jackson Street in Maple; and
3. That the petition from the area residents be received.

Purpose

To review the concerns expressed by the residents of Jackson Street regarding traffic infiltration, vehicle speeds and speed humps.

Background

Engineering staff received a petition from the residents of Jackson Street requesting a review of the traffic operations on Jackson Street. Jackson Street is a local residential roadway with an existing speed limit of 50 km/h. Church Street is designated with one-way travel eastbound between Jackson Street and Keele Street. The study area is shown on Attachment No. 1

There are existing traffic calming measures installed within the surrounding neighbourhood as part of the Historic Maple Traffic Committee and are indicated on the attachment.

Neighbourhood Concerns Summary

The petition was received from the residents on April 28, 2003. Traffic concerns have been expressed by the residents and the following is a summary of the concerns:

1. Request for speed humps to reduce the vehicle speeds on Jackson Street going to and from the Ramsay Armitage Park located at the south limit of the street.
2. Residents expressed concerns that the street is used as a cut-through route to avoid the Keele Street and Major Mackenzie Drive intersection.

Staff conducted a review of the concerns and the results are outlined below.

1. Vehicle Speeds on Jackson Street

Staff conducted speed studies on Jackson Street on several days during the peak travel periods. The results of the speed studies are summarized in the chart below:

DIRECTION	Thursday July 10/03 8:00am to 9:30am		Wednesday July 9/03 3:15pm to 5:15pm		Tuesday July 15/03 8:00am to 9:45am		Monday July 21/03 2:30pm to 4:30pm	
	Vehicles	Avg Speed	Vehicles	Avg Speed	Vehicles	Avg Speed	Vehicles	Avg Speed
Northbound	22	40	24	42	10	38	10	31
Southbound	23	47	24	50	43	36	36	34

Jackson Street was part of the initial Historic Maple Neighbourhood Traffic Committee. There were no traffic calming measures proposed on Jackson Street or requested by the residents of Jackson Street.

Based on the above speed studies, the installation of speed humps is not recommended on Jackson Street.

2. Neighbourhood Traffic Infiltration Issues

Staff conducted an infiltration study on Wednesday, June 4, 2003 during the morning and afternoon peak travel periods. The result of the study is summarized below. Refer to the attachment to view the identified infiltration patterns.

Infiltration Pattern	AM Peak Period		PM Peak Period	
	Vehicles	% of Entering Traffic	Vehicles	% of Entering Traffic
Start A to Finish B	116	53.2%	41	32.5%
Start A to Finish C	48	22%	23	18.3%
Start C to Finish A	0	0%	23	11.3%

The results of the study indicate that the infiltration through the use of Jackson Street does exist from Major Mackenzie Drive to Keele Street via Church Street and Naylor Street. The largest infiltration pattern involves vehicle trips beginning with an eastbound right turn from Major Mackenzie Drive onto Jackson Street.

However, any intersection turn prohibition would apply to all motorists. Residents affected by the restriction would need to accept the extra travel distance required to access their homes during the 6-hour intersection turn prohibition. Therefore, prior to the implementation of a prohibition City Engineering Staff in consultation with Region of York Transportation Staff will notify the residents. A survey will be mailed to each home requesting a vote of the prohibition or non-support of the proposed prohibition. If there is support of 66.6%, then the Region of York will proceed with Regional Council approval of the prohibition.

Environmental Assessment Act Requirements

As now required under the Environmental Assessment Act, whenever traffic calming measures are installed or removed a Schedule B Environmental Assessment process must be followed. This process requires public notification and consultation, the identification of alternates, and the filing of a Notice of Completion with the Ontario Ministry of the Environment and publication in local media.

Should traffic calming measures be approved by Council for installation on Jackson Street, then the City would be required to publish a Notice of Commencement, develop a plan for review by the public and publish a Notice of Completion. The notices would also have to be filed with the Ministry of the Environment and published on the City Page in two separate editions of the Vaughan Citizen. Prior to construction, the City's normal practice is to mail letters to the abutting residents, should traffic calming measures be approved, informing them of their installation.

Conclusion

Based on staff's review, it is recommended that speed humps not be installed on Jackson Street. City staff recommends that the Region of York review the feasibility of implementing an eastbound right turn prohibition during the hours of 7:00 am to 9:00 am at the intersection of Major Mackenzie Drive and Jackson Street in Maple.

Attachments

1. Location Map
2. Petition

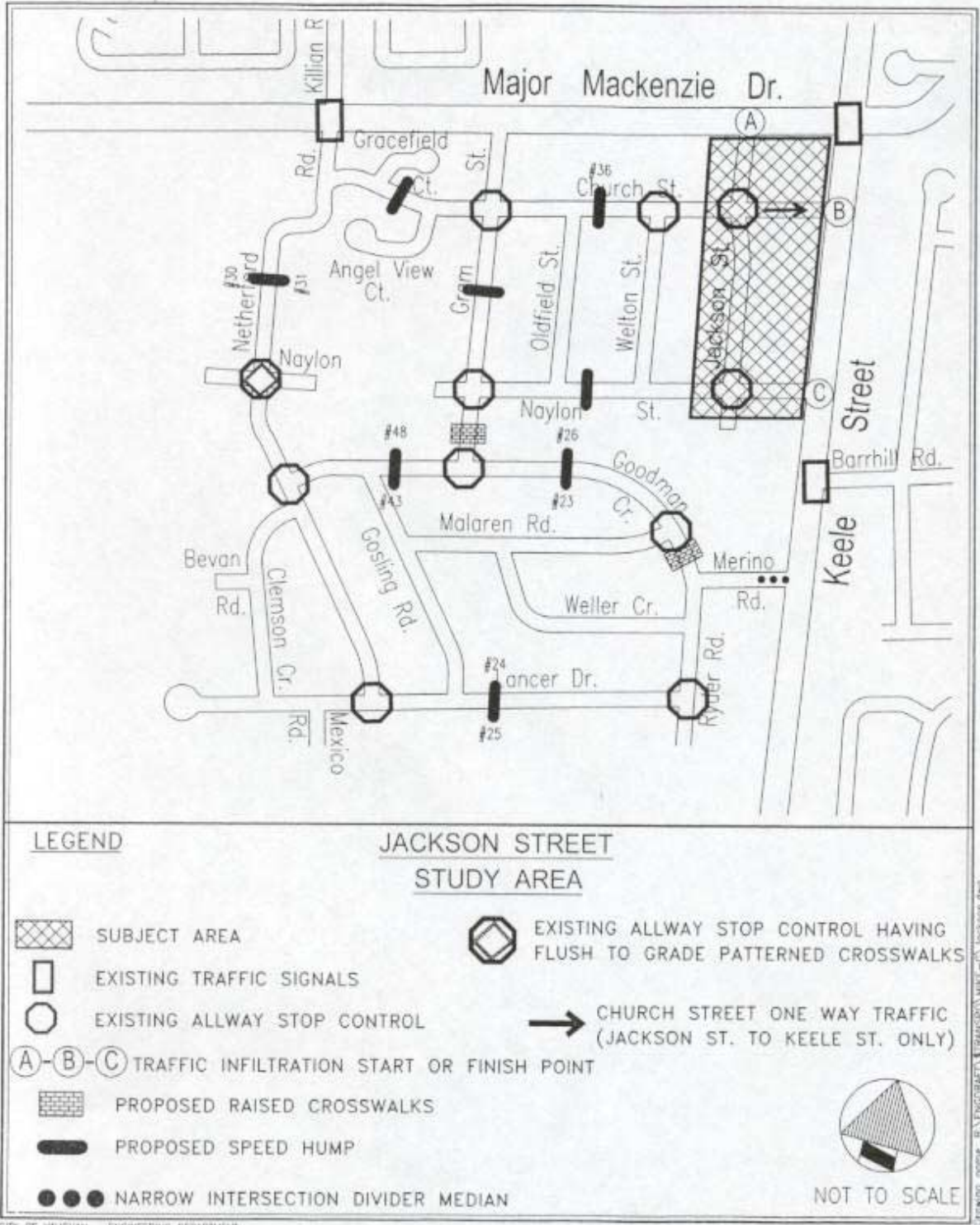
Report prepared by

Mike Gough, Senior Transportation Technologist, ext. 8784
Mike Dokman, Acting Transportation Supervisor, ext. 8031

Respectfully submitted,

Bill Robinson, P. Eng.
Commissioner of Engineering and Public Works

ATTACHMENT No. 1





NOTICE OF PETITION

A petition has been submitted with respect to the following matter and a copy is on file in the office of the City Clerk:

Agenda Item No.: 7

Item Name: JACKSON STREET
TRAFFIC OPERATIONS

Particulars of the Petition:

Dated: APRIL 28, 2003

No. of Signatures: 11

Submitted by: MRS. GAIL CAMPEA

For a copy of the petition contact:

**City of Vaughan, Clerk's Department, 2141 Major Mackenzie Drive, Vaughan, L6A 1T1
Tel: (905) 832-8504 Fax: (905) 832-8535**