

ADOPTED by Council at its meeting held December 21, 2015 [B45-2015]

/AC

Windsor, Ontario December 21, 2015

REPORT NO. 320 of the
ENVIRONMENT, TRANSPORTATION & PUBLIC SAFETY
STANDING COMMITTEE

of its meeting held November 18, 2015

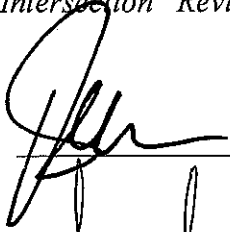
Present:
Councillor Fred Francis
Councillor Chris Holt
Councillor Bill Marra (Chair)
Councillor Hilary Payne
Councillor Paul Borrelli

That the following recommendations of the Environment, Transportation and Public Safety Standing Committee **BE APPROVED:**

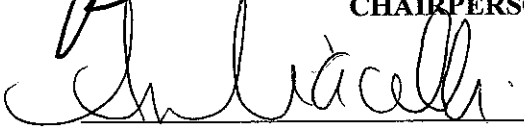
Moved by Councillor Holt, seconded by Councillor Francis,
That report "*CQ30-2015 – Pillette Road and Grand Boulevard Intersection Review*" **BE RECEIVED** for information.
Carried.

S 26/2015 ST2015

Clerk's Note: The report of the Policy Analyst dated October 30, 2015 entitled "*CQ30-2015 – Pillette Road and Grand Boulevard Intersection Review*" is attached as background information.

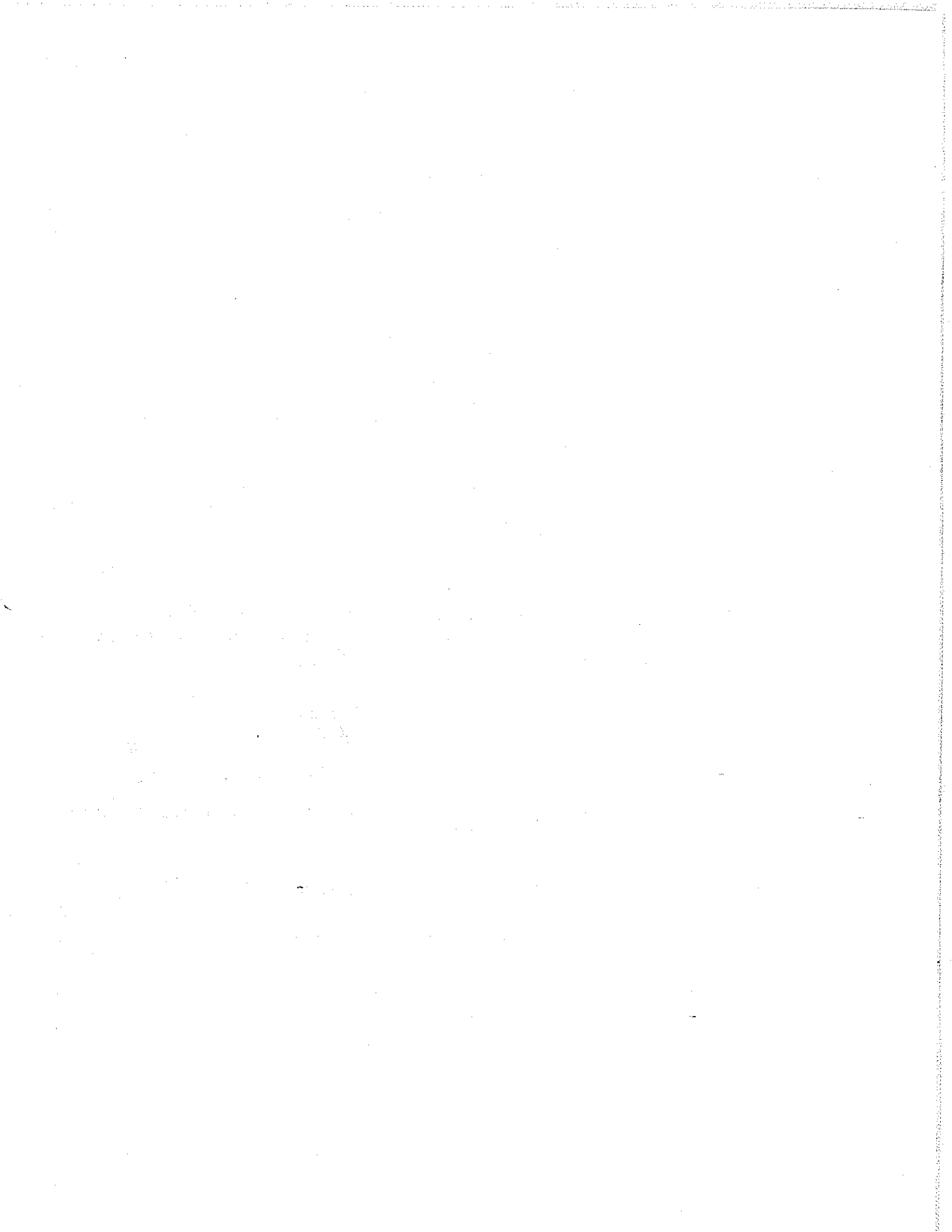


CHAIRPERSON



SUPERVISOR OF COUNCIL SERVICES

NOTIFICATION:	
NAME	CONTACT INFORMATION





Public Works - Operations

MISSION STATEMENT

"Our City is built on relationships – between citizens and their government, businesses and public institutions, city and region – all interconnected, mutually supportive, and focused on the brightest future we can create together"

REPORT #: S 26/2015	Report Date: 10/29/2015
Author's Contact: Jeff Hagan Policy Analyst 519-255-6247 ext 6003 jhagan@citywindsor.ca	Date to Council: 11/18/2015
	Clerk's File #: ST2015

To: Mayor and Members of City Council

Subject: CQ30-2015 - Pillette Road and Grand Boulevard Intersection Review - Ward(s) 5 & 8

RECOMMENDATION:

That report CQ30-2015 – *Pillette Road and Grand Boulevard Intersection Review*,
BE RECEIVED for information.

EXECUTIVE SUMMARY:

N/A

BACKGROUND:

The following Council Question was asked by Councillor Marra at the June 15, 2015 Council meeting:

CQ30-2015

"Over the past year I have received an increase in traffic related complaints related to the intersection at Pillette Road and Grand Blvd. specifically, there are concerns for westbound vehicles on Grand that are turning southbound on Pillette Road.

I am requesting a traffic count/assessment to determine what traffic controls are warranted for this intersection."

This report provides the results of the requested assessment of Pillette Road and Grand Boulevard.

Roadway Information

A summary of relevant information about the two roads in question is provided below:

Item	Pillette Road	Grand Boulevard
Road Classification	North of Grand: Class I Collector South of Grand: Local	Class II Collector
Speed Limit	50 km/h	40 km/h
Truck Route?	Yes	No
Transit Route?	No	No
Existing Traffic Control	Free Flow	Stop

An aerial photograph of the intersection is provided in Figure 1. Under existing conditions, the intersection of Pillette Road and Grand Boulevard operates under two-way stop control with Pillette Road as the major (free-flowing) street and Grand Boulevard as the minor (stop-controlled) street. A left turn lane is provided on Grand Boulevard for westbound traffic. There are two travel lanes in each direction on Pillette Road.

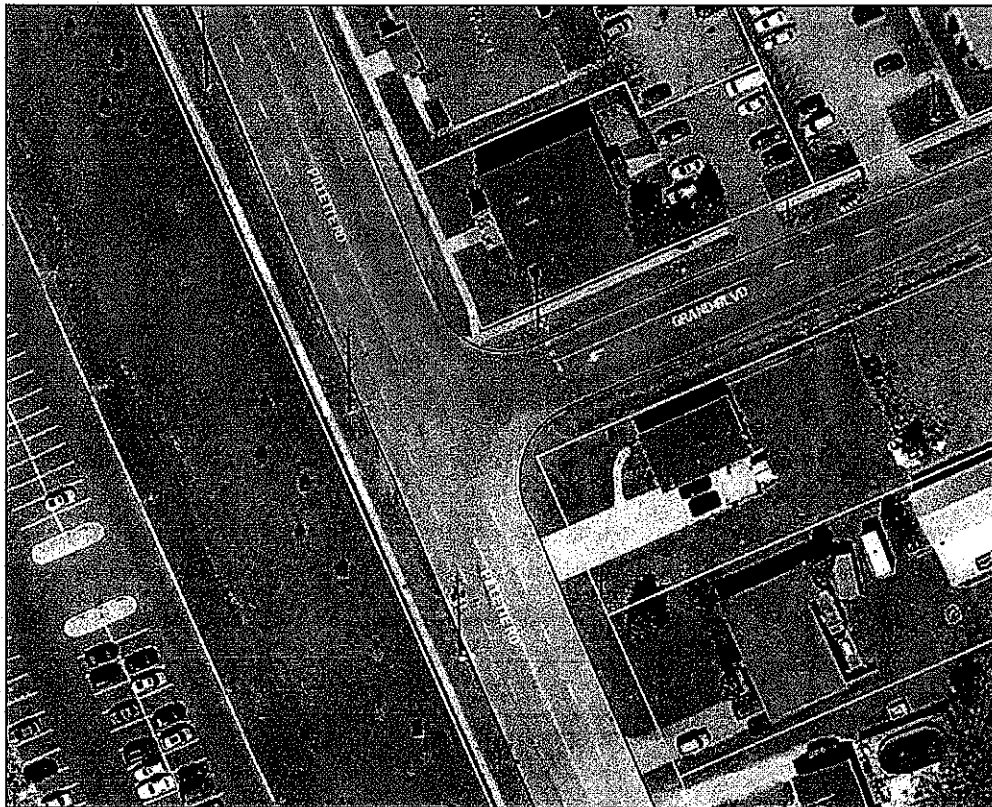


Figure 1: Pillette Road / Grand Boulevard Intersection

DISCUSSION:

Since the Council Question identified the westbound left turn movement as the specific concern, the intersection was evaluated for the following traffic controls:

- Traffic Signal
- All-Way Stop

The appropriateness of other measures at the intersection besides traffic control changes was also reviewed.

Traffic Signal Warrant Review

The intersection of Pillette Road and Grand Boulevard was reviewed using the *Ontario Traffic Manual* warrants for traffic signals based on a turning movement count was carried out at the intersection on Wednesday, April 13, 2015. The Ontario Traffic Manual signal warrant recognizes several justifications for signals:

- Sustained high traffic volumes from both streets for a prolonged period of the day;
- Sustained delays to minor street traffic for a prolonged period of the day;
- Sustained high pedestrian volumes crossing the major street, combined with long crossing delays;
- A high frequency of collisions over a 3-year period of types that are reducible by signalization.

The results of the signal warrant review are as follows:

- The traffic volumes at the intersection do not meet the warrant thresholds for traffic volumes or delays;
- The number of pedestrians crossing Pillette Road at Grand Boulevard was very low and does not meet the pedestrian warrant threshold;
- A review of reported collisions at the intersection found zero reducible collisions (and a total of one collision) in the 3-year review period. The collision warrant threshold is not met.

Overall, traffic signals are **not warranted** at the intersection of Pillette Road and Grand Boulevard.

All-Way Stop Warrant Review

The intersection of Pillette Road and Grand Boulevard was reviewed against the criteria in the All-Way Stop Policy. Based on the following factors, the intersection is ineligible for an all-way stop:

- The intersection is on a truck route (Pillette Road)
- The roadways at the intersection are not "like" classifications:
 - Pillette Road: Class I Collector/Local
 - Grand Boulevard: Class II Collector

Traffic volumes at the intersection were reviewed against the volume criteria in the All-Way Stop Policy. Even if the factors above were not present, the volume of vehicles crossing the main street (i.e. the westbound left movement) would be significantly below the justification threshold for an all-way stop.

As was the case for the traffic signal review, the number of reported collisions at the intersection in the 3-year review period (zero reducible, one total) is not sufficient to warrant an all-way stop on the basis of collisions.

Overall an all-way stop is **not warranted** at the intersection of Pillette Road and Grand Boulevard.

Other Measures

Other factors, such as poor intersection sight lines, can manifest as concerns related to difficulty turning from the minor street at a stop-controlled intersection. While this concern was not explicitly stated in the Council Question, it was investigated in order to provide a complete review.

While corner cut-offs are not provided at the intersection of Pillette Road and Grand Boulevard (as would be required for new development under the current Official Plan), at the time of field review, no view obstructions were noted that interfered with required turning sight distance.

RISK ANALYSIS:

The following risks are expected to the Corporation as a result of the recommendation:

- **Resource Risk:** No further action is recommended at this time. If further service requests are received from residents regarding this intersection, the staff resources involved with investigating and responding to these requests would be routine activities.
- **Cross Corporate Impact Risk:** Changes to intersection traffic control devices (e.g. stop signs and traffic signals) involves risk to a number of City departments involved in their installation and maintenance, particularly Traffic Operations. Inappropriate or unwarranted traffic controls - can cause compliance issues, thereby creating risks related to enforcement (e.g. for the Windsor Police Service).

- **Community Impact Risk:** If resident concerns regarding traffic are not addressed, risks to resident quality of life and the reputation of the Corporation could occur. These risks have been mitigated by reviewing the intersection in accordance with established policies and guidelines.
- **Financial Risk:** No expenditures are associated with the report recommendations.

FINANCIAL MATTERS:

N/A

CONSULTATIONS:

N/A

CONCLUSION:

The review of the intersection of Pillette Road and Grand Boulevard did not identify any operational issues with the intersection generally or with the westbound left turn movement specifically. The intersection review confirmed the existing traffic control at this intersection is appropriate for current conditions. No further action is recommended at this time.

PLANNING ACT MATTERS:

N/A

APPENDICES:

N/A

