REPORT TO: Mayor and Members Committee of the Whole

SUBMITTED BY: Scott Stewart, C.E.T.
General Manager
Public Works Department

DATE: June 22, 2006

PREPARED BY: R. Aitchison
Extension 2067

SUBJECT: Request for Traffic Signal at Highway 8 and Winona Road (PW06084) - (Ward 11)
Public Works, Infrastructure & Environment Committee Outstanding Business List

RECOMMENDATION:

(a) That a traffic signal be installed at the intersection of Highway 8 and Winona Road as part of the 2007 Traffic Signal Installation Program.

(b) That the estimated installation cost of $100,000 be added to the 2007 Capital Budget for new traffic signals.

(c) That the item relating to the Petition from Winona residents requesting a traffic light at the corner of Highway 8 and Winona Road be removed from the Public Works, Infrastructure & Environment Committee Outstanding Business List.

Scott Stewart, C.E.T.
General Manager
Public Works

EXECUTIVE SUMMARY:

At the Public Works, Infrastructure and Environment Committee meeting of March 6, 2006 Councillor Mitchell submitted a petition from Winona residents requesting that a traffic signal be installed at the intersection of Highway 8 and Winona Road.

The results of the most recent traffic study meet the Council approved criteria to warrant a full traffic signal.
Therefore, staff recommends that a full traffic signal be installed at Highway 8 and Winona Road in 2007 and that the estimated installation cost of $100,000 be added to the 2007 Capital Budget for new traffic signals. Staff also recommends that item ‘Y’ be deleted from the Public Works, Infrastructure and Environment Committee list of outstanding business items.

**BACKGROUND:**

The information/recommendations contained within this report primarily affects Ward 11. At the Public Works, Infrastructure and Environment Committee meeting of March 6, 2006, Councillor Mitchell submitted a petition from Winona residents requesting that a traffic signal be installed at the intersection of Highway 8 and Winona Road.

The results of the most recent traffic study meet the Council-approved criteria to warrant a full traffic signal. The volume section of the warrant is met by 100% and the delay section of the warrant is met by 91%. The collision warrant is met by only 20% indicating that there is not a pattern of preventable collisions that would be mitigated by a full traffic signal.

At the Public Works, Infrastructure and Environment Committee meeting of May 16, 2005 a motion to install underground ducts during a 2005 resurfacing project at this intersection was defeated. At that time, the most recent data available to staff did not meet the minimum Council approved criteria to warrant a traffic signal. The strategy of installing the duct work was offered as a cost saving measure to accommodate the possibility of a future traffic signal. Since a traffic signal was not warranted at that time a design of the installation was not available. Installing duct work without a design can result in incorrectly located ducts which may ultimately be unusable. Underground boring technology is now commonly used to install duct work under the road which minimizes, if not completely eliminates, disrupting the integrity of the road structure. This technique will be used where possible at Highway 8 and Winona Road.

Therefore, staff recommends that a full traffic signal be installed at Highway 8 and Winona Road in 2007 and that the estimated installation cost of $100,000 be added to the 2007 Capital Budget for new traffic signals. Staff also recommends that item ‘Y’ be deleted from the Public Works, Infrastructure and Environment Committee list of outstanding business items.

**ANALYSIS/RATIONALE:**

The recommendation is consistent with the City’s policy to install traffic signals at locations that meet the Council approved technical criteria.

**ALTERNATIVES FOR CONSIDERATION:**

An alternative would be to take no action. That would not address the level of delay now experienced by drivers and pedestrians at this intersection. Delay promotes aggressive behaviour as drivers and pedestrians become impatient waiting for an opportunity to get through the intersection.
FINANCIAL/STAFFING/LEGAL IMPLICATIONS:

The installation of this traffic signal will take place pending approval of the 2007 Capital Budget for new traffic signals. The estimated installation cost of this traffic signal is $100,000.

POLICIES AFFECTING PROPOSAL:

The recommendation is consistent with the City’s Installation Policy for Full Traffic Signals.

RELEVANT CONSULTATION:

Councillor Mitchell supports this proposal and has been notified of staff’s recommendation. The petition containing nearly 1000 signatures indicates local support.

CITY STRATEGIC COMMITMENT:

By evaluating the “Triple Bottom Line”, (community, environment, economic implications) we can make choices that create value across all three bottom lines, moving us closer to our vision for a sustainable community, and Provincial interests.

Community Well-Being is enhanced. ☑ Yes  □ No
Traffic flow is enhanced and the public was involved in the definition and development of local solutions.

Environmental Well-Being is enhanced.  □ Yes  ☑ No
Economic Well-Being is enhanced.  □ Yes  ☑ No

Does the option you are recommending create value across all three bottom lines?

☑ Yes  □ No

Do the options you are recommending make Hamilton a City of choice for high performance public servants?

☑ Yes  □ No
PROPOSED TRAFFIC SIGNAL INSTALLATION
HIGHWAY NO. 8 AT WINONA DRIVE
CITY OF HAMILTON
PUBLIC WORKS DEPARTMENT

LEGEND

EXISTING TRAFFIC SIGNAL

PROPOSED TRAFFIC SIGNAL

SCALE

DATE

NOT TO SCALE

2006-07-06

REFERENCE FILE NO: PW06084