

ITEM 11
MANAGER'S REPORT NO. 57
COUNCIL MEETING 88/09/12

RE: WORK ORDER NUMBERS:

60-14-117 - CONSULTING SERVICES/TRAFFIC CONTROL DEVICE/METROTOWN AREA
60-14-118 - INSTALL FULLY-ACTUATED TRAFFIC SIGNAL/GRANGE AT SUSSEX
60-14-119 - INSTALL FULLY-ACTUATED TRAFFIC SIGNAL/GRANGE AT NELSON

MUNICIPAL MANAGER'S RECOMMENDATION:

1. THAT the recommendation of the Director Engineering be adopted.

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TO: MUNICIPAL MANAGER 1988 SEPTEMBER 07

FROM: DIRECTOR ENGINEERING

SUBJECT: WORK ORDER NOS. 60-14-117, CONSULTING SERVICES
FOR THE DESIGN OF TRAFFIC CONTROL DEVICE IN THE
METROTOWN AREA; 60-14-118, INSTALLATION OF FULLY-
ACTUATED TRAFFIC SIGNAL AT GRANGE STREET AND
SUSSEX AVENUE; 60-14-119, INSTALLATION OF FULLY-
ACTUATED TRAFFIC SIGNAL AT GRANGE STREET AND
NELSON AVENUE

RECOMMENDATION:

1. THAT Work Order Nos. 60-14-117, 60-14-118 and 60-14-119 be approved.

REPORT

60-14-117

Consulting Services for the design of traffic control devices in the Metrotown area.

CHARGE: 1988 Capital Budget \$30,000
Code 14 - Traffic Management

ADDITIONAL INFORMATION: This Work Order is required to cover consulting fees for the preparation of a design, specifications and a report recommending the best method of coordinating the traffic signals in the Metrotown area.

60-14-118

Installation of a fully-actuated traffic signal, Grange Street and Sussex Avenue.

CHARGE: 1988 Capital Budget \$43,000
Code 14 - Traffic Management

ADDITIONAL INFORMATION: This traffic signal will be required to handle the additional traffic generated by Eaton Center which is currently scheduled to open on 1989 March 15. This signal will provide a key component in the management of traffic within the Metrotown area.

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60-14-119

Installation of a fully-actuated traffic signal, Grange Street and Nelson Avenue.

CHARGE: 1988 Capital Budget \$43,000
Code 14 - Traffic Management

ADDITIONAL INFORMATION: This intersection is currently controlled by a four-way stop which, due to its proximity to the existing signal at Grange Street and McMurray Avenue, will cause backups through this latter signal and the above proposed signal at Grange Street and Sussex Avenue. This signal will complete the signalization of Grange Street from Willingdon Avenue to Royal Oak Avenue inclusive, which is part of the Metrotown area traffic plan.

Both of the above signals meet the Institute of Transportation Engineers "Warrant #7, Systems" which states, in part, that:

"A traffic signal installation at some intersections may be warranted to encourage the concentration and organization of traffic. The systems warrant is applicable when the common intersection of two or more major routes has a total existing or immediately projected entering volume of at least 800 vehicles during the peak hour of a typical weekday or each of any five hours of a Saturday and/or Sunday.

A major route as used in the above warrant has one or more of the following characteristics:

1. It is part of the street or highway system that serves as the principal network for through traffic flow.
2. It connects areas of principal traffic generation.
3. It appears as a major route on an official plan such as a major street plan in an urban area traffic transportation study."

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cc: Director Finance
Traffic Supervisor



E. E. Olson
DIRECTOR ENGINEERING