
TRAFFIC SAFETY COMMITTEE**E**

*HIS WORSHIP, THE MAYOR
AND COUNCILLORS*

SUBJECT: CROSSWALK ON GRANGE AT PATTERSON

RECOMMENDATIONS:

1. THAT Council approve the upgrade of the crosswalk on Grange Street at Patterson Avenue to a special crosswalk.
2. THAT Reine Hitchen of 1707 – 6070 McMurray Avenue, Burnaby, BC, V5H 4J3 be sent a copy of this report.

REPORT

The Traffic Safety Committee, at its meeting held on 2006 May 02, received and adopted the *attached* report discussing the need to upgrade the pedestrian crosswalk on Grange at Patterson. This measure includes larger signs with accompanying flashing lights triggered by pushbutton. The flashers should draw more attention to the crossing and increase driver awareness. The cost of this upgrade, estimated at \$50,000 will be included in the Provisional 2007 Financial Plan under Traffic Management.

Respectfully submitted,

Councillor Nick Volkow
Chair

Councillor Sav Dhaliwal
Vice Chair

Councillor Garth Evans
Member

Copied to: City Manager Director Engineering

TO: CHAIR AND MEMBERS
TRAFFIC SAFETY COMMITTEE

DATE: 2006 April 13

FROM: ASSISTANT DIRECTOR ENGINEERING,
TRAFFIC AND ENGINEERING SYSTEMS

FILE: 38000-03

SUBJECT: CROSSWALK ON GRANGE AT PATTERSON

PURPOSE: To discuss the need to upgrade the pedestrian crosswalk on Grange at Patterson.

RECOMMENDATIONS:

1. **THAT** the Committee approve the upgrade of the crosswalk on Grange St at Patterson Ave to a special crosswalk.
2. **THAT** Reine Hitchen of 1707 - 6070 McMurray Ave, Burnaby BC, V5H 4J3 be sent a copy of this report

REPORT**1.0 INTRODUCTION**

At its meeting of 2006 January 11 under new business, member McCloy of the Transportation Committee expressed concerns regarding the pedestrian crosswalk on Grange Ave at its eastern alignment at Patterson Ave. A similar pedestrian safety issue was brought up in letter staff received dated 2006 January 15 from Reine Hitchen of Burnaby. The matter has been referred to staff for investigation of the feasibility of upgrading the pedestrian controls at this location.

2.0 CROSSWALK REVIEW

The current pedestrian control consists of a marked crosswalk with overhead/downlit signs and appropriate side mounted signing. Staff has recently updated data at this location to determine whether this configuration is still appropriate. Pedestrian activity was monitored during peak periods and vehicle volume counts were conducted on Grange St. This information was utilized to conduct a crosswalk evaluation warrant review.

The evaluation indicates that the current crosswalk arrangement is adequate and in fact, for most periods of the day, in excess of statistical requirements. The analysis compares pedestrian volumes against safe crossing opportunities which are calculated from the traffic volumes. While pedestrian numbers were sufficient to warrant a marked crosswalk the relatively moderate traffic

To: Traffic Safety Committee
From: Assistant Director Engineering, Traffic and
Engineering Systems
Re: Crosswalk on Grange at Patterson
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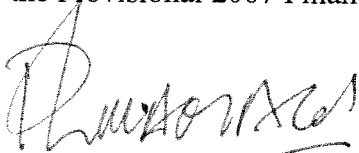
volumes indicated that sufficient crossing opportunities were available. The crosswalk was initially installed to guide pedestrians to the best crossing location at an otherwise ambiguous intersection area.

Recent concerns about close calls with pedestrians and a recent pedestrian collision suggest that the crosswalk may be making pedestrians overly confident while drivers are insufficiently cognizant of their requirements.

3.0 CONCLUSION

The attached photograph (figure 2) provides a west bound view of the location. While sight lines are good, there is a significant amount of visual clutter. The pedestrian signal at Kingsway and Inman, the traffic flow Kingsway, the merge area at Grange and the generally busy skyline may add to driver distraction and as a result the more immediate conditions may be disregarded.

To draw more attention to this crosswalk, it is recommended that the crossing control be upgraded to a Special Crosswalk. This measure includes larger signs with accompanying flashing lights triggered by pushbutton. The flashers should draw more attention to the crossing and increase driver awareness. The cost of this upgrade, estimated at \$50,000 will be included in the Provisional 2007 Financial Plan under Traffic Management.



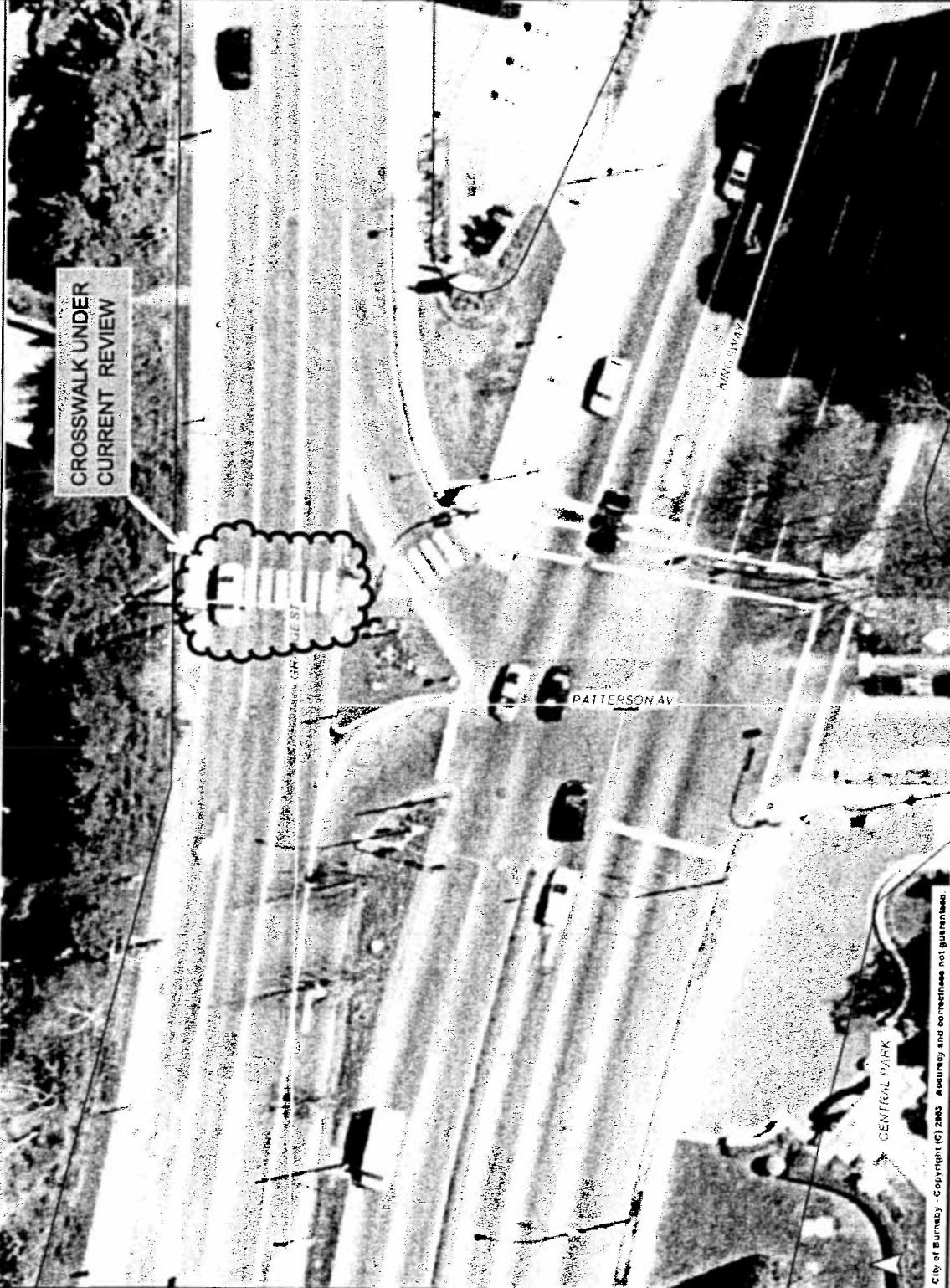
Peeter Liivamagi, P.Eng.
ASSISTANT DIRECTOR ENGINEERING,
TRAFFIC AND ENGINEERING SYSTEMS

EJ:
Attachment

Copied to: City Manager

Crosswalk on Grange at Patterson

April 04, 2006



CROSSWALK UNDER CURRENT REVIEW

PATTERSON AV

CENTRAL PARK

4100 STAY

- Strata Units
- Skytrain Stations
- ▬ Skytrain Lines
- Addresses
- Lot
- Street Intersections
- Ⓜ Traffic Signal
- Ⓜ Speed Humps
- Ⓜ Speed Humps
- Ⓜ Roads
- Private
- Residential
- Commercial
- Arterial
- Freeway
- Hydrology
- Colour 2004
- Parks
- Proposed To Be Acquired
- Parking
- Boundary

Map Scale
1 : 500

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FIGURE 2

