

TRANSPORTATION COMMITTEE

*HIS WORSHIP, THE MAYOR
AND COUNCILLORS*

**SUBJECT: 2008 TRANSLINK MRN MINOR CAPITAL PROGRAM: INITIAL
FUNDING APPLICATION**

RECOMMENDATIONS:

1. THAT Council approve the initial projects identified in Section 2.2 for funding under the 2008 TransLink MRN Minor Capital Program.
2. THAT a copy of this report be forwarded to Mr. G. Vleig, Manager, Road and Infrastructure Planning, TransLink, 4330 Kingsway, Burnaby, BC, V5H 4G8.

REPORT

The Transportation Committee, at its meeting held on 2007 November 14, received and adopted the *attached* report seeking Council's approval of an initial set of roads projects recommended for submission to TransLink for funding under the 2008 MRN Minor Capital Program.

Respectfully submitted,

Councillor N. Volkow
Chair

Councillor S. Dhaliwal
Vice Chair

Councillor L. Rankin
Member

Copied to: City Manager Director Finance Director Engineering Director Planning & Building



Item.....
Meeting.....2007 November 14

COMMITTEE REPORT

TO: CHAIR AND MEMBERS
TRANSPORTATION COMMITTEE

DATE: 2007 November 14

FROM: DIRECTOR PLANNING AND BUILDING
DIRECTOR ENGINEERING

FILE: PL 2156-01
Ref: TransLink MRN Capital

**SUBJECT: 2008 TRANSLINK MRN MINOR CAPITAL PROGRAM:
INITIAL FUNDING APPLICATION**

PURPOSE: To seek Committee and Council approval of an initial set of roads projects recommended for submission to TransLink for funding under the 2008 MRN Minor Capital Program.

RECOMMENDATIONS:

1. **THAT** the Transportation Committee recommend that Council approve the initial projects identified in *Section 2.2* for funding under the 2008 TransLink MRN Minor Capital Program.
2. **THAT** a copy of this report be forwarded to Mr. G. Vleig, Manager, Road and Infrastructure Planning, TransLink, 4330 Kingsway, Burnaby, B.C., V5H 4G8.

REPORT

1.0 BACKGROUND

In 2007, the City of Burnaby applied for and received cost share funding of \$2,371,000 under the block allocation portion of the TransLink 2007 Major Road Network (MRN) Minor Capital Program. The 2007 projects included design work for Willingdon Avenue HOV Project between Brentlawn and Pender Street and the Canada Way/Boundary Road intersection project. Construction projects included Canada Way/Gilmore Way, Willingdon (Parker to Pender), Marine Way (Market Crossing to Byrne) and North Road (Lougheed to south of Rochester).

The purpose of this report is to bring forward for Council consideration projects to be included in Burnaby's 2008 submission for funding under the MRN Minor Capital Program. The projects noted in this report represent an initial set of projects to be submitted for TransLink consideration. This initial set of 2008 projects, if approved by Council, will be reviewed by the TransLink Major Roads and Transportation Advisory

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From: *Director Planning and Building, Director Engineering*
Re: *2008 TransLink MRN Minor Capital Program: Funding Application*
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Committee (MRTAC) and submitted to the TransLink Board for consideration in early 2008.

There will be an opportunity for Burnaby to submit a second set of projects for 2008 MRN Capital funding in a subsequent application which will be considered by TransLink in January and submitted for Board approval later in the year.

2.0 PROPOSED 2008 MRN CAPITAL PROJECTS

2.1 Available Funding

A total of \$20 million is available region-wide each year to municipalities for projects submitted under the “block allocation” portion of the MRN Minor Capital Program. Any “unallocated” funds remaining after municipal project submissions have been approved can be assigned to other MRN projects based on need. Approved road projects are cost-shared by TransLink up to a maximum of 50% for any single project.

The maximum “block allocation” funding available to the City of Burnaby in the 2008 MRN Capital Program is currently \$2,371,000. According to the program guidelines, the City has until the end of 2009 to complete the projects applied for in the 2008 MRN Capital Program. The following proposed MRN Capital projects have been advanced for consideration in the Major Roads component of the 2008 - 2012 Provisional Capital Program.

2.2 Proposed 2008 MRN Capital Projects

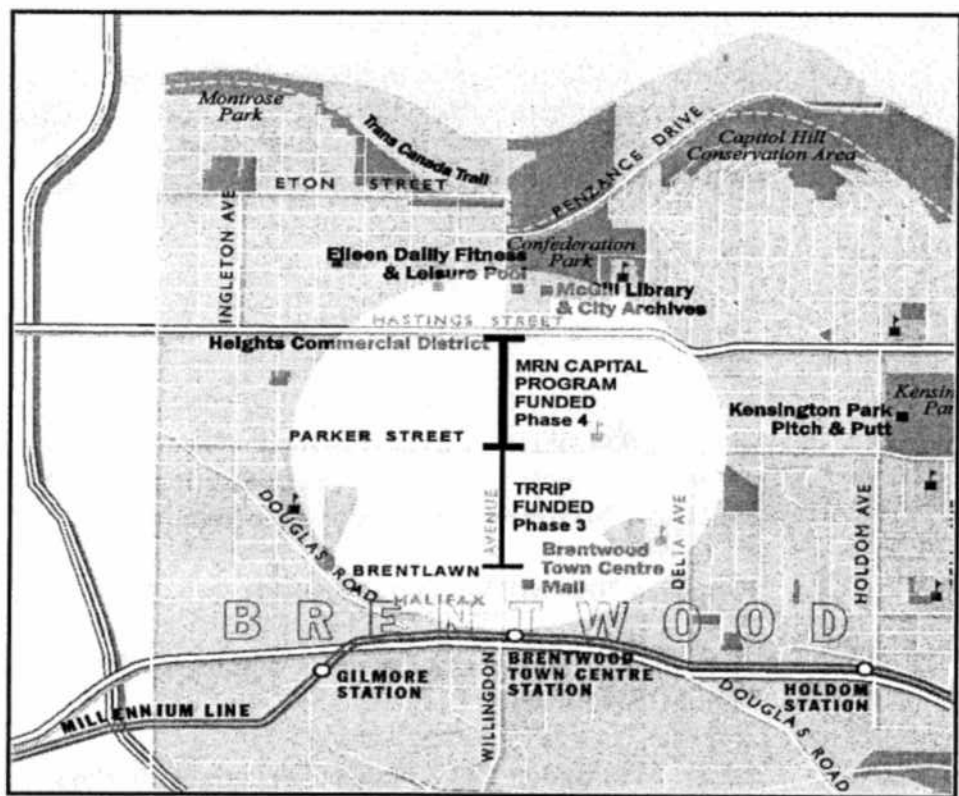
The following initial set of projects is proposed for funding under the 2008 MRN Minor Capital Program:

2.2.1 Willingdon HOV Project: Brentlawn to Parker Street

Phase 1 of the Willingdon Avenue HOV Project from Moscrop Street to Canada Way, with funding from TransLink, was developed in 2000 as a transit/cycling corridor through the installation of HOV lanes and an urban trail for cyclists. Phase 2 of the Willingdon HOV Project involving the extension of the HOV lanes between Still Creek Avenue and Lougheed is being funded 100% by TransLink under the Transit Related Road Infrastructure Program (TRRIP), and should be completed in 2008 in conjunction with the Costco development. Phase 4 of Willingdon Avenue from Parker to Hastings which is to be constructed in 2008 was approved by TransLink in the 2007 MRN Minor Capital Program for 50% cost sharing of a total cost of \$2,000,000. Reconstructing this segment of Willingdon will facilitate buses but does not contain an HOV lane.

As shown in **Figure 1**, the segment of the Willingdon HOV Project from Brentlawn to Parker (Phase 3) would involve the reconstruction of this section of Willingdon to a six-lane standard with the curb lanes as HOV/bus lanes. The project will also include wider curb lanes for cyclists, a pedestrian signal and an Urban Trail on the east side. This reconstruction would reduce delay for buses and enhance cyclist and pedestrian safety.

Figure 1 Willingdon Phases 3 and 4



Estimated at a total cost of \$2,600,000, eligible components (related to the HOV/bus lanes) of Phase 3 would be funded under the Transit- Related Road Infrastructure Program (TRRIP). This will be the subject of a pending TRRIP funding application. The non-eligible components involving those parts of the project that are not related to the HOV lanes (the Urban Trail and the raised median) would not be fundable under TRRIP. These components are, however, eligible to be cost shared with TransLink under the MRN Minor Capital Program.

For 2008, it is proposed to request \$800,000 in funding under the 2008 MRN Capital program to cover the cost components of the Phase 3 Willingdon HOV Project that are not covered by TRIPP.

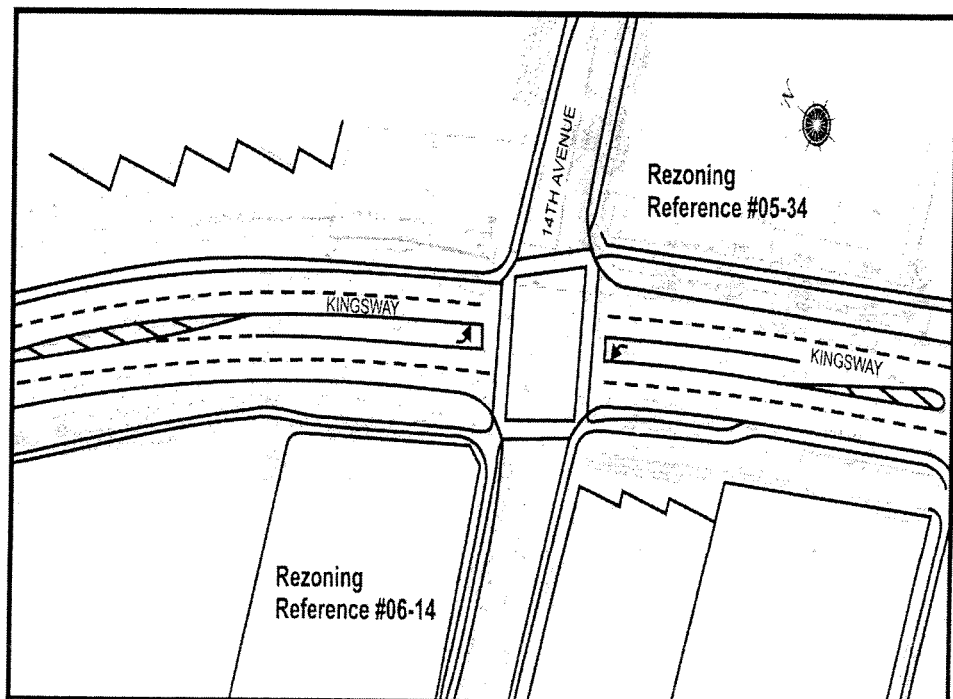
Willingdon HOV Brentlawn to Parker	\$800,000
TransLink Share	\$400,000
City of Burnaby Share	\$400,000

2.2.2 Kingsway 14th Avenue Intersection

The intersection of Kingsway at 14th Avenue is a major access in and out of the residential neighbourhoods north of Kingsway in the Edmonds Town Centre. Currently, left turning movements from Kingsway to 14th are accommodated from the through-traffic lanes which disrupt traffic on Kingsway. It also exposes left-turning vehicles on Kingsway to a risk of rear-end collisions from following vehicles and right-angled collisions from opposing traffic.

To reduce delay to through-traffic on Kingsway and to address the collision hazard, the City is proposing to develop opposing left turn lanes on Kingsway at 14th Avenue, as shown in *Figure 2*.

Figure 2 Kingsway 14th Avenue Left turn Lanes



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The servicing requirements for two developments on Kingsway at 14th (Rezoning Reference #05-34 and #06-14) provide for dedications of property for road right-of-way and for reconstruction of the curb and sidewalk across the Kingsway frontage of their sites which assists in constructing the opposing left turn lanes.

Excluding the developer's portion of the costs, it is proposed to apply to the 2008 TransLink MRN Minor Capital Program for the City's portion of the project of \$1,100,000 for the design and construction costs of this project as follows.

Kingsway/14th Avenue Intersection	\$1,100,000
TransLink	\$ 550,000
City of Burnaby	\$ 550,000

2.2.3 Integrated Traffic Signal (ITS) System Phase 2

The City has been upgrading its signal system to a new open architecture system Advanced Traffic Management System (ATMS) that would provide a centralized integrated platform for traffic signal system control, information management, and graphical data display. In addition to providing advanced traffic signal management capabilities, this system would enable us to participate fully in Intelligent Transportation System (ITS) solutions with TransLink and other agencies to enhance traffic flow and information distribution.

ITS systems are being developed and deployed throughout North America to reduce crashes, improve traffic flow, provide better driver information, provide guidance to tourists, improve goods movement, and reduce fuel consumption and emissions. This would enable the City to combine changeable message signs, camera systems, and data collection in a standard open data base that could be used to provide better information to citizens and other agencies.

Phase 1 of the ITS System implementation has been completed. Phase 2 would extend the system to include more traffic signals, some of which would be on the TransLink Major Roads Network. Those signals that are on the MRN are eligible for MRN Minor Capital Program cost sharing.

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The estimated cost of the Phase 2 MRN traffic signals is \$300,000 with cost sharing as follows:

Total Cost	\$ 300,000
TransLink Share	\$ 150,000
Burnaby Share	\$ 150,000

The ITS project would be undertaken in 2008/09 and funds have been included for this project in the 2008 - 2012 Provisional Financial Plan.

3.0 CONCLUSION

For 2008, the funding available from the TransLink MRN Capital Program is \$20 million region-wide. The City of Burnaby share of this funding is up to a maximum of \$2,371,000.

It is proposed that the City apply to TransLink for 50% funding for the following projects:

2008 MRN Minor Capital Program Initial Projects

Willingdon HOV Phase 3	\$ 800,000
Kingsway/14 th Intersection	\$ 1,100,000
ITS System Phase 2	\$ 300,000
TOTAL	\$ 2,200,000
TransLink Share	\$ 1,100,000
City of Burnaby Share	\$ 1,100,000

The total cost of the projects applied for in the 2008 TransLink MRN Capital Program is estimated at \$2,200,000 with the 50% TransLink share of the program of \$1,100,000. These projects are being advanced for consideration for cost sharing by TransLink as the initial set of MRN Capital projects for 2008.


A second set of projects will be advanced for Council consideration in early 2008. It is anticipated that this second set of projects will use the remaining \$1,271,000 of the City's maximum block allocation of \$2,371,000 for 2008.

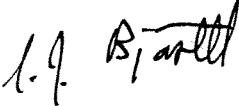
This report seeks Council approval to submit these projects for cost sharing with TransLink under the 2008 MRN Minor Roads Capital Program. These projects have

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been advanced for consideration in the Major Roads component of the 2008 - 2012 Provisional Capital Budget.

As required, staff would bring forward specific reports in 2008 to seek bylaw authority from Council for financing of the individual projects as they are advanced.


B. Luksun, Director
PLANNING AND BUILDING


L. S. Chu, P. Eng.
DIRECTOR ENGINEERING

RG/jc/sa

cc: City Manager
Director Finance

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