

Appendix

Road Safety Improvements

- i) Corridor Reviews - Kingsway, King Edward, 4th Avenue, and Rupert \$415,000

Similar to many other corridor studies and related improvements which have been completed within the City, these four corridors also have a number of recommended improvements. These measures include; signage changes; signal timing modifications; installation of additional signal heads and other improvements related to vehicle and pedestrian movements along these corridors.

- ii) Pedestrian Safety Measures \$445,000

Installation of pedestrian-controlled signals will improve pedestrian safety by providing pedestrians with a protected crossing, while special crosswalks, and corner bulges will assist pedestrians by increasing pedestrian and driver visibility, and awareness at pedestrian crossings. Nineteen pedestrian-controlled signals, seven special crosswalks, and eight corner bulges have been approved as part of the 2001 and 2002 Traffic Signal Programs and the Enhancements at Pedestrian Crossings Report.

Pedestrian Signals

1. Dunbar St.	at	29th Avenue	15. 41 st Avenue	at	Heather Street
2. GNW*	at	Brunswick St.	16. Broadway	at	Balaclava Street
3. Burrard St.	at	5 th Avenue	17. Cornwall St.	at	Vine Street
4. Fraser St.	at	53 rd Avenue	18. Pender Street	at	Broughton Street
5. Kingsway	at	10 th Avenue	19. Fraser Street	at	23 rd Avenue
6. Broadway	at	Pine Street	20. Denman	at	Comox
7. Oak St.	at	14 th Avenue	21. Commercial	at	Charles
8. Cambie St.	at	19 th Avenue	22. Joyce Street	at	29 th Avenue
9. Fraser St.	at	48 th Avenue	23. King Edward	at	Heather Street
10. 4 th Avenue	at	Highbury Street	24. 49 th Avenue	at	Commercial
11. 70 th Avenue	at	Cartier Street	25. Commercial	at	10 th Avenue
12. Fraser Street	at	59 th Avenue	26. 41 st Avenue	at	Vine Street
13. 4 th Avenue	at	Maple Street	27. Renfrew	at	Dundas Street
14. Granville St.	at	11 th Avenue			

*GNW - Great Northern Way

Special Crosswalks

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| 1. 49 th Avenue at Maple Street | 6. Thurlow at Comox Street |
| 2. 49 th Avenue at Nanaimo Street | 7. 12 th Avenue at Alder Street |
| 3. 12 th Avenue at Larch Street | 8. 29 th Avenue at Atlin |
| 4. Nanaimo St. at Brock Street | 9. Grandview at Woodland |
| 5. 10 th Avenue at Highbury Street | |

Pedestrian Corner Bulges

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| 1. Macdonald at 8 th Avenue | 9. Argyle Street at 57 th Avenue |
| 2. 10 th Avenue at Tolmie Street | 10. Kerr Street at 55 th & 56 th Ave |
| 3. 10 th Avenue at Mackenzie Street | 11. 33 rd Avenue at Willow Street |
| 4. 10 th Avenue at Trutch Street | 12. W Boulevard at 42 nd Avenue |
| 5. 49 th Avenue at Windsor Street | 13. SW Marine at 71 st Avenue |
| 6. 33 rd Avenue at E. 500 crossing | 14. 3500 SE Marine Drive |
| 7. Yukon Street at 10 th Avenue | 15. Broadway at Carnarvon Street |
| 8. Victoria Dr. at E. Georgia Street | 16. Grandview at Rupert |

Due to the improvements in pedestrian safety associated with these crossing devices, ICBC has agreed to partially fund these projects. Funding provided will be in the order of \$445,000.

- iii) New Traffic Signal Installations and Intersection Re-Design \$611,000

Projects approved by City Council for new traffic signals or intersection re-designs include:

1. 41st Avenue at Larch & Mackenzie Streets - new traffic signals (\$36,000);
2. Great Northern Way at Glen Drive - traffic signal installation (\$10,000);
3. Boundary Road & 1st Avenue - intersection re-design (\$150,000);
4. Grandview Highway & Skeena Street - traffic signal installation and intersection re-design (\$200,000);
5. S.E. Marine Drive at Elliott Street - intersection re-design (\$75,000);
6. Hemlock Street at 6th Avenue - new traffic signal (\$30,000);
7. Jackson Street at Prior Street - new traffic signal (\$30,000); and
8. Hastings Streets at Victoria - construction of left-turn bays (\$80,000).

Due to the safety benefits associated with these measures, ICBC is willing to provide a total of \$611,000 for the above mentioned projects.

- iv) Signal Visibility Improvements \$280,000

On June 10, 2002, Vancouver City Council approved a program with BC Hydro to retrofit the City's 670 traffic signals with energy efficient Light-Emitting Diode (LED) traffic lights. As

part of this program, BC Hydro will provide LED traffic signals to the City at half the retail cost. In conjunction with this program, ICBC has provided funding to upgrade the traffic signal heads to a larger size.

v) Additional Projects \$325,000

ICBC has agreed to provide funding to go towards the following projects:

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|------------------------------------|-----------|
| - Stop Sign Infills | \$150,000 |
| - Speed Hump Program | \$125,000 |
| - Boundary Road Lay-By | \$10,000 |
| - High Intensity School Zone Signs | \$40,000 |