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**To:** Mayor and Councillors  
**From:** Robert Gonzalez, P.Eng.  
Manager, Engineering Design and Construction  
**Date:** July 8, 2003  
**File:** 6340-20-P.02301  
**Re:** Blundell Road Trail Construction from No. 4 Road to No. 5 Road

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This memorandum is in response to General Purposes Committee's request for additional information regarding the paving of a separated walkway along Blundell Road from No.4 Road to No. 5 Road.

Construction of a 2.0 metre wide gravel trail as noted in the report to the July 7, 2003 General Purposes Committee is estimated at \$150,000. The additional cost to pave the trail is estimated at \$70,000 according to contract rates, resulting in a total estimated construction cost of \$220,000 for the paved trail.

There are 50 driveways along the south side of Blundell Road between No. 4 Road and No. 5 Road. The industry standard for maximum sidewalk crossfall (side slope) is 4%. At a crossfall greater than 4% , pedestrian and wheelchair comfort is compromised. Along this stretch of Blundell there are 16 driveways, which will cross the pathway at grades steeper than 4% and up to a maximum of 12%.

Staff consulted with Richmond's Committee on Disability (RCD) to determine what is considered acceptable from RCD's perspective. RCD staff indicated that the crossfall grades greater than that of a standard sidewalk (4% maximum) might be uncomfortable. RCD staff indicated that regardless of the option selected for the walkway, that a curb be placed to separate the walkway from the travel lanes or that the walkway itself be separated from the roadway.

#### Funding

Funding for the paved walkway separated from the roadway with a cost \$220,000 would require that the following projects be capital projects be deferred:

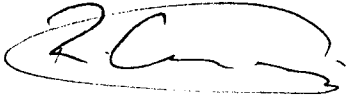
- Alderbridge Way Sidewalk from Elmbridge Way to Cedarbridge Way - \$127,800.
- Alderbridge Way Sidewalk from Hazelbridge Way to 500 Metres east - \$115,000. We would require only \$12,200 of this project budget. Remaining funds would be returned to the funding bylaw.
- Two dyke access points from Parks' capital program - \$60,000.

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- Utilizing \$20,000 of excess Drainage DCCs remaining from the Blundell Road storm sewer tender.

Should there be any questions regarding the walkway along Blundell Road, I can be reached at local 4150.

A handwritten signature in black ink, appearing to read 'RG', enclosed within a hand-drawn oval.

Robert Gonzalez, P.Eng.  
Manager, Engineering Design and Construction  
(L.4150)

rg:rg

pc: TAG