

**5. BRIGGS ROAD/MARSHLAND ROAD/LAKE TERRACE ROAD
TRAFFIC SIGNALS**

RR 9979

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Corporate Plan Output: Capital Works Programme	

The purpose of this report is to describe to the Committee a proposal to remove the roundabout at the Briggs Road/Marshland Road/Lake Terrace Road intersection and install traffic signals.

BACKGROUND

A road safety audit of the intersection revealed that there was a crash problem that reflected the increasing amount of traffic travelling through the area. Initially it was considered that a larger roundabout would address the traffic conflicts that were occurring at this junction. However, the increasing amount of traffic using Marshland Road and the popular turn from Marshland Road right into Briggs Road would have required a multi laned roundabout to be constructed.

The choice of traffic control came from a need to provide for additional intersection capacity and traffic safety. The current proposal for traffic signals has a benefit/cost ratio of 4.1 where as a multi laned roundabout option would have reduced the ratio to 3.4. The total cost of the signals option will be within the budget allowance of \$330,000 (including land) whereas the cost of the roundabout was estimated at between \$500,000 and \$600,000.

TRAFFIC SIGNALS

The proposal is illustrated on a plan attached to this report. A right turn arrow for traffic turning from Marshland Road north into Briggs Road will, with a corresponding left turn arrow out of Briggs Road, assist traffic flow during peak periods. Full pedestrian and cycle facilities will be included in the redesign of the intersection and it is proposed to ban parking along the north side of Briggs Road between Olivine Street and Marshland Road. This measure will provide a long left turn and separate cycle lane on the approach to the intersection. A kerbside parking bay is proposed on the south side of Briggs Road and kerbside parking will be prohibited on the other approaches to the intersection as indicated on the plan.

PROCESS

A leaflet describing the proposal to install traffic signals at the Briggs Road/Marshland Road/Lake Terrace Road intersection has been circulated for comment. It is anticipated that the Community view of this proposal will be reported to the Burwood/Pegasus and Shirley/Papanui Community Boards in July. The City Services Committee will then be asked to forward the proposal to the Council for approval.

CONCLUSION

Traffic signals at the Briggs Road/Marshland Road/Lake Terrace Road intersection will improve traffic flow and provide for the safe passage of all vehicles through the intersection. Pedestrian crossing facilities and dedicated cycle lanes will provide better service for people walking and cycling and the new intersection will cater for an increasing amount of traffic using Marshland Road as a link to the north.

Chairman's

Recommendation: That the information be received.