

5. MCLEANS ISLAND ROAD - PROPOSED RUMBLE STRIPS

Officer responsible City Streets Manager	Author Peter McDonald (Paving and Sealing Team Leader) DDI 3711668 Brian Boddy (Area Engineer), DDI 3711013
Corporate Plan Output: - 2001/2002 Capital Works Programme	

The purpose of this report is to request that the Fendalton/Waimairi Community Board approve the proposed installation of rumble strips and improved signage in McLeans Island Road (a minor arterial). These changes would be installed on both approaches to the two ninety-degree bends.

The Board has allocated an amount of \$10,000 for the trial of rumble strips. Some of this money has been spent on the installation of trial rumble strips in Kendal Avenue. These did not prove to be a success as they were too mild to significantly slow the traffic, but still produced traffic vibrations that have upset local residents. They are therefore to be removed in the near future. An amount of \$8,300 remains available for a further trial.

From a survey of possible sites in the Board's area for possible rumble strip trials it was identified that the ninety-degree bends on McLeans Island Road were the best locations and it also has a bad accident history. There have been eleven crashes in the last ten years involving vehicles leaving the road on or near the two right-angled bends. This is made up of one fatal (occurred September 2001), one serious injury (occurred January 1994), four minor injury and five non-injury crashes. Eight of the crashes related to the south bend and three to the northern bend. The average number of vehicles using this section of road each day is 2,300. There are 35 kph curve-warning signs and chevron arrows around the bends at present. These signs are considered inadequate when the crash history is considered for this location.

The City Solutions Unit has investigated the international use of rumble strips and prepared a "Rumble Strips Options Study" for McLeans Island Road. This paper shall be distributed to Board members with the meeting agenda for their perusal. This study recommends the use of rumble strips with appropriate signage, to alert drivers of an approaching hazard.

It is proposed that transverse rumble strips be constructed on the approaches to the right-angled bends on McLeans Island Road to alert drivers to the signage warning them to reduce speed before arriving at the bends, as shown on the diagram. This will enable drivers to negotiate the bends safely. Full width transverse chip seal strips 12 mm high are recommended with a 1.2m gap at the edge line to accommodate cyclists. Rumble strip warning signs are required on the approach and departure side of the curves for traffic going each way. The upgrading of some of the existing permanent warning signs will also be included in the project.

This is a rural location with low traffic volumes at night, and the noise from the rumble strips is therefore not considered a significant issue.

The estimated cost of the project is within the budget.

- Recommendations:**
1. That full width rumble strips be constructed on both approaches to each of the ninety-degree bends on McLeans Island Road.
 2. That the permanent warning signs be upgraded as required along with the addition of the rumble strip warning signage.

Chairman's Recommendation: That the foregoing recommendations be adopted.