

8. NORTHFIELD ROAD TRAFFIC

Officer responsible
City Streets Manager

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The purpose of this report is in response to a petition received by the Shirley/Papanui Community to consider residents' concerns over traffic.

BACKGROUND

The Board received a petition at its special meeting on 4 December 2002 which was signed by 23 residents of Northfield Road.

The petitioners registered their concern over the increasing volume and speed of traffic using Northfield Road.

INVESTIGATION

Northfield Road is a local road which is 346 metres long with a 13.1 metre wide carriageway connecting Northcote Road to Veitches Road. A seven day, 24 hour traffic and speed survey was conducted from Saturday 29 March 2003 until Friday 4 April 2003, with the following results.

Traffic Flows

Average seven day traffic flows = 1530 vehicles.

The number of residential properties served by Northfield Road are as follows:

Road	No. of Households
Northfield Road	43
Omega Place	29
Brogar Place	51
TOTAL	123

The City Plan (Appendix 2 Section 8/51 paragraph 6) provides a method for determining the typical daily flows on local roads based on the number of household units. Each household unit is deemed to generate ten vehicle movements per day. The calculated typical daily traffic flow for Northfield Road is 1230 vehicles.

This means 300 vehicles or 25% are cut-through traffic.

Traffic counts have been undertaken for 323 local roads in Christchurch. The volumes range between 97 and 7,800 vehicles per day. Over 100 local roads have traffic volumes greater than Northfield Road. In the Papanui Area Local Roads with higher volume include:

	<i>AADT</i>	<i>Count Date</i>
Nyoli Street	1570	1997
Morrison Street	1826	1997
Tuckers Road	2450	2002
McFaddens Road	2198	2002
Vagues Road	3372	2002
Mary Street	2748	2002
Aylesford Street	2962	2001

Traffic Speeds

Traffic speeds were determined simultaneously with the traffic volumes.

85% speed (km/h)	57
Average speed (km/h)	49
% exceeding 50 km/h	51
% exceeding 60 km/h	8

The recorded speeds for these streets have become relatively common place for many Christchurch local streets.

Traffic Safety

The LTSA provides precise details of the location for all reported crashes on Christchurch roads. There are no recorded crashes along Northfield Road in the period 1994 to 2003.

PROJECT ASSESSMENT

The Council receives many applications to address safety or speeding on city roads. Resolution of these problems invariably requires capital funding. Because funding for these projects is very limited, it is critical that the Council spends money in the most cost effective manner in the locations where the greatest benefits can be obtained.

For this reason, a prioritisation process has been adopted by the Council to rank the projects. This is independent of capital requirements. New projects are rated against eight factors giving a score out of 100. The factors are weighted to reflect the severity of the situation ie traffic speed and volume account for 45% of the final score.

New projects are then entered onto the list of existing Neighbourhood Improvement Works projects with placement determined by the rating score.

The score obtained for Northfield Road is 36 points.

Projects achieving a total rating of less than 40:

- Indicates that the work is of a low priority.
- Not shown schematically on LATMS.
- Project is reassessed within 10 years.

In this instance this street does not currently warrant further consideration for traffic calming.

It is worth noting that the application of this rating system has seen the following recent capital allocation made by the Council for Shirley/Papanui streets and is shown under Neighbourhood Improvement Works in the Draft 2004 CCC Financial Plan and Programme. Additionally, Mary Street will be reconstructed from the kerb and channel renewal budget.

Street Name	2003/04	Capital Allocation \$	
		2004/05	2005/06
Nyoli Street		60,000	
Morrison Ave		111,000	
Tuckers Road	152,000	90,000	
Aylesford Street		155,000	90,000
Mary Street	456,327		

Staff

- Recommendations:**
1. That the petition submitters be thanked for their presentation and be informed of the report's findings.
 2. That no further action be taken.

Chairperson's

- Recommendations:**
1. That the staff recommendations be adopted.
 2. That this matter be reviewed when NROSS planning is completed.