

**5. PROPOSED TRAFFIC SIGNAL INSTALLATION –
BUCKLEYS ROAD/KERRS ROAD INTERSECTION**

Officer responsible City Streets Manager	Author Bill Greenwood, Transportation Safety Engineer
Corporate Plan Output: Capital Works Item Buckleys/Kerrs Traffic Signals \$100,000	

The purpose of this report is to consider the installation of traffic signals at the Buckleys Road/Kerrs Road intersection as detailed in the attached plan.

DISCUSSION

The Buckleys Road/Kerrs Road intersection has a poor safety history. Fourteen crashes including one fatality have occurred at the intersection over the last five years. Eighty-five per cent of these crashes involved vehicles exiting from Kerrs Road failing to give way to traffic approaching on their right.

In order to address this problem a “look right” sign was installed three years ago to bring to the attention of motorists exiting from Kerrs Road the problem identifying traffic approaching from the right. The installation of this sign has not resulted in any significant reduction in crashes.

The installation of traffic signals at this intersection should reduce the existing crash rate by around 50%. Should this occur then it is likely that the benefit/cost of doing the work would be in the order of 8.3. As a result of this anticipated benefit funds for the installation of traffic signals have been included in the 1999/2000 budget with a Transfund subsidy of around 50%.

The proposed work involves the installation of traffic signals to control Kerrs Road vehicles access to Buckleys Road and pedestrian access across the northern half of Buckleys Road. It is also proposed to realign the pedestrian crossing point across the existing Kerrs Road slip lane. The acceleration flare onto westbound Buckleys Road has also been widened and lengthened to provide better merging for this traffic.

The proposal also includes the provision of a “red” cycle lane west to east on Buckleys Road through the intersection of Kerrs Road.

Buckleys Road has a traffic volume of around 26,000 vehicles per day. With Kerrs Road carrying around 14,000 vehicles per day. The speed limit is currently 50 km/h with the average operating speed of around 60 km/hr.

The project was circulated for public comment in August last year. Feedback received was positive with some alterations suggested to the plan. These improvements which were of a minor nature have all been included in the revised plan. One concern raised was not able to be address. A resident in Kerrs Road felt that installing the traffic signals would result in an increase in the number and speed of vehicles past the property.

CONCLUSION

The proposal to install traffic signals at the Buckleys/Kerrs Road intersection has been circulated for public comment, the feedback being positive. The work is expected to reduce the current high crash rate and result in some reduction in vehicle speeds north bound on Buckleys Road. Any delays in these vehicle travel times will be more than compensated for by the expected reduction in crashes at the intersection.

Recommendation: That traffic signals be installed at the Buckleys/Pages Road intersection in accordance with the attached plan.