

STAFF REPORT

TO: Chair and Members Engineering Services

FROM: Development Engineer, Dugald Ley

REFERENCE: E362

DATE: 12 April 2006

SUBJECT: **ENGINEERING STANDARD – PEDESTRIAN LIGHTING
RURAL / RESIDENTIAL AREAS**

PURPOSE

In the Engineering Services Committee meeting of 2 February 2006 a report was submitted on rural and residential lighting and, in particular, pedestrian lighting where footpaths are located.

At that meeting it was resolved that a working party of officers be set up to resolve lighting issues and to report back to this committee.

DISCUSSION

The working party discussed all aspects of pedestrian lighting and this culminated in a report by Neil Jackson to the Resource Management Policy Committee on 29 March 2006. It was resolved at that meeting that aspects of lighting be implemented into a review of the TRMP and some engineering matters as set out below:

- 1) Footpaths 1.4 m wide with a minimum standard of a 2-coat chip seal, grade 4&6 chip with edge supports are required in the Rural 3 area and one would accept that this rule applies to the other rural/residential areas where footpaths are required.
- 2) A P4 type 6 lighting is required as per NZS1158, 2005.
- 3) Lighting can be pole height or bollard style, however if bollard light is chosen then it would need to be vandal proof and there shall be no horizontal light spill (a typical bollard light will give some horizontal light spill from its louvers so these will need specific design to comply). Lighting height shall be no more than 5.0 m and no lower than 800 mm.
- 4) Spacing – it is not envisaged that lights will be placed at regular intervals, but rather at strategic locations. This could be at changes of direction and grade of the footpath and/or at right-of-way entrances (but not more than 100 mm apart). (Note – road intersections will require mandatory flag lights installed). Lighting poles/bollards shall not conflict with vehicle sight lines.

RECOMMENDATION

THAT the resolution of the Resource Management Policy Committee is accepted by the Engineering Services Committee and that the above items 1) to 4) are accepted as a guide and should be included in the Engineering Standards Review for 2007.

Dugald Ley
Development Engineer