

Land Transport Rule: Traffic Control Devices 2004—Directional Cycle Traffic Signals Further Trial

Pursuant to subclauses 3.4(1), 3.4(10) and 3.4(11) of the Land Transport Rule: Traffic Control Devices 2004 (“Rule”) and a delegation from the Waka Kotahi (NZ Transport Agency), I, Chris Rodley, Senior Manager Regulatory Standards and Implementation, authorise the installation and maintenance of directional cycle traffic signal displays, incorporating a cycle symbol and an arrow, to control the movement of cycle traffic in different directions at different times:

- a. for the purpose described in Schedule 1;
- b. in the form and layout set out in Schedule 2;
- c. at the locations stated in Schedule 3;
- d. for the period specified in Schedule 4; and
- e. subject to the evaluation outlined in Schedule 5.

The directional cycle traffic signal displays may be installed for the purpose of evaluating their use and the trial will be called the “directional cycle traffic signals further trial”.

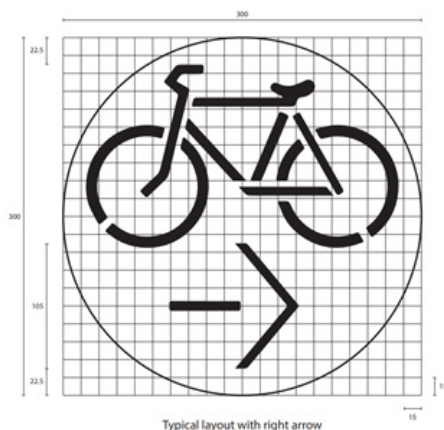
Schedule 1—Purpose of Trial

The purpose of the trial is to:

- a. Enable the installation of directional cycle traffic signal displays that incorporate an arrow in the same signal aspect with the cycle symbol, as an alternative to the requirements for traffic signal displays in 6.3(1)(a), 6.4(1) and Schedule 3 of the Rule;
- b. Evaluate the safety and effectiveness of traffic signal displays that allow cyclists on the same approach to an intersection to move in different directions at different times; and
- c. Assess cyclists’ and other road users’ understanding of and compliance with traffic signals that control directional movement of cyclists at intersections with cycle traffic signals.

Schedule 2—Form and Layout of Directional Cycle Traffic Signals

- a. Each red, yellow and green directional cycle traffic signal display must comprise a cycle symbol above an arrow to indicate the controlled movement;
- b. Directional cycle traffic signal displays must be 300mm in diameter;
- c. The sequence of directional cycle traffic signals must comply with 6.4(3) of the Rule;
- d. The operation of the signals must comply with clauses 6.4(4)–6.4(8) of the Rule; and
- e. Directional cycle traffic signals may only be installed at an intersection in conjunction with standard displays of traffic signals for vehicles.



Example: Directional cycle traffic signal display.

Note: Dimensions in millimetres unless otherwise specified

Schedule 3—Location

The following locations are approved for this trial:

Road Controlling Authority Location

Road Controlling Authority	Location
Waka Kotahi	Vivian Street and Cambridge Terrace intersection Wellington

Schedule 4—Period of Trial

The trial may begin after 1 September 2022 and, unless terminated earlier, must end by 30 August 2023.

Schedule 5—Evaluation

An evaluation must be undertaken, and a report produced with analysis, conclusions and recommendations that build on the learnings and recommendations from the previous trials (St Asaph/Madras/High Street and St Asaph/Antigua Street Intersections Christchurch, Beach Road/Te Taou Crescent and Nelson Street/Victoria Street intersections Auckland) for the future of directional cycle signals. The report must include assessment of:

- a. Measurement of cyclists' compliance with the directional cycle signals;
- b. measurement of other road users' compliance with the traffic signals at intersections where directional cycle signals are installed;
- c. analysis of conflicts and crashes;
- d. an outline of costs, efficiency improvements and other benefits;
- e. a summary of feedback received from cyclists, and the general public during the trial;
- f. a description of any operational issues which arose during the trial and how they were resolved; and
- g. recommendations for improvements or changes that should be made to the operation, form or layout of directional cycle traffic signals.

A final evaluation report must be sent to the Senior Engineer Regulatory Technical (TCD) by 30 October 2023.

Signed at Wellington this 20th day of September 2022.

CHRIS RODLEY, Senior Manager Regulatory Standards and Implementation, Waka Kotahi.