

LED Road Signs program

RESIDENT FACT SHEET

It's all part of Council's plan

This fact sheet contains important information for residents about Brisbane City Council's new Light Emitting Diode (LED) Road Signs program.

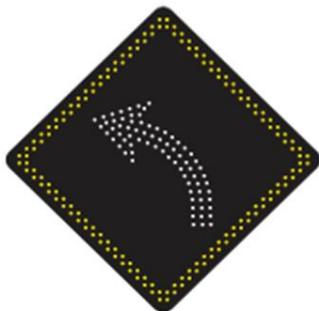
About the program

In mid-2016, Council announced a commitment of \$3.24 million to fund a four-year LED Road Signs program. This new road safety program involves the installation of LED road signs at known accident and traffic hotspots throughout Brisbane.

The aim of the program is to reduce the number of accidents and near-misses at these known hotspots. The highly visible LED road signs are designed to alert drivers of an upcoming intersection or traffic hazard, and to reduce their speed if they are travelling above the speed threshold that is pre-determined for that location.

About the LED road signs

The signs are designed with two main components. A rectangular sign with "SLOW DOWN" spelt out in highly visible LEDs is at the bottom and a separate diamond warning sign appears above. These diamond warning signs may also feature LEDs or could be static yellow. The type of warning sign will depend on the upcoming intersection or hazard however common signs include pedestrian crossing, roundabout and stop sign ahead.



Example of a LED 'SLOW DOWN' sign combined with a LED left curve diamond sign

How the LED road signs work

The signs are vehicle activated signs meaning they are triggered by an approaching vehicle. The LEDs on the signs are inactive (unlit) by default and as a vehicle approaches, the speed is detected by the sign's radar. The sign is only activated (lit) if the vehicle is travelling above the pre-determined speed threshold for that location. If the vehicle is travelling under the pre-determined speed threshold, the sign remains inactive.

The speed threshold at which the sign is activated is **not** the speed limit for that location, rather, one that is pre-determined as a safe speed to approach the upcoming intersection or traffic hazard.

As the LED road signs are solar powered, they are generally located in a position that is clear of trees and other obstructions, and has access to sunlight for a high proportion of the day.



Dedicated to a better Brisbane

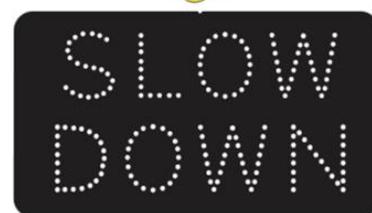
Selecting suitable sites

Your local councillor and Council officers will develop a shortlist of possible locations for the LED road signs based on data available from:

- Council's investigation history including known traffic hotspots and accident data
- feedback from each local councillor
- Queensland Government's Webcrash data.

A site assessment is then conducted to determine suitability for sign installation. Factors considered in this site assessment process include but are not limited to:

- visual obstruction to adjacent residents
- sufficient vehicle visibility, including potential obstructing objects such as trees and other road signs
- clearance from conflicts such as driveways and power poles
- clearance from low-hanging power lines and television cables
- clearance from shade to ensure solar panels receive adequate sunlight
- separation between other road signs to ensure drivers have sufficient time to read all road sign messages.



Example of a LED 'SLOW DOWN' sign combined with a static pedestrian crossing ahead diamond sign.

For installation purposes, the LED road signs require a post and small concrete foundation below the ground on Council-owned road verge. The signs are solar powered and have a small solar panel to keep batteries charged.

Suggest a new location

If you are concerned about traffic incidents or near-misses in your area, please contact your local ward office to suggest a location for a LED road sign. For ward office location and contact details, visit www.brisbane.qld.gov.au and search 'ward offices'.

For more information

If you have any questions or would like more information on the program, you can:

- email Council's Transport Planning and Strategy branch at tps_contact@brisbane.qld.gov.au
- call Council on (07) 3403 8888
- visit www.brisbane.qld.gov.au and search 'LED road signs'.