

TRAFFIC LIGHT TROUBLE

By Nicholas Moores

Problem

I believe that a problem existed where people with a disability did not have enough time to cross the road in the local Camden area.

A red speech bubble graphic with a white question inside. The bubble has a tail pointing downwards and to the left. The background of the slide features faint, curved lines in the top-left and bottom-right corners.

What is the purpose of this technology?

The purpose of this technology is to give disabled people extra time to cross busy intersections safely. Also to give disabled, or other people, like parents with small children or the elderly, the option to have more time if they feel like they need it.

A red speech bubble graphic with a white outline, containing the text 'Where will the technology be used?'. The bubble has a tail pointing downwards and to the right.

Where will the
technology be
used?

This technology will be used at busy intersections whenever a disabled or elderly person needs to cross the road safely.

Research

The pedestrian lights that I measured are on the corner of Argyle and Oxley streets in Camden. The current maximum amount of time given to cross the road is 18 seconds.

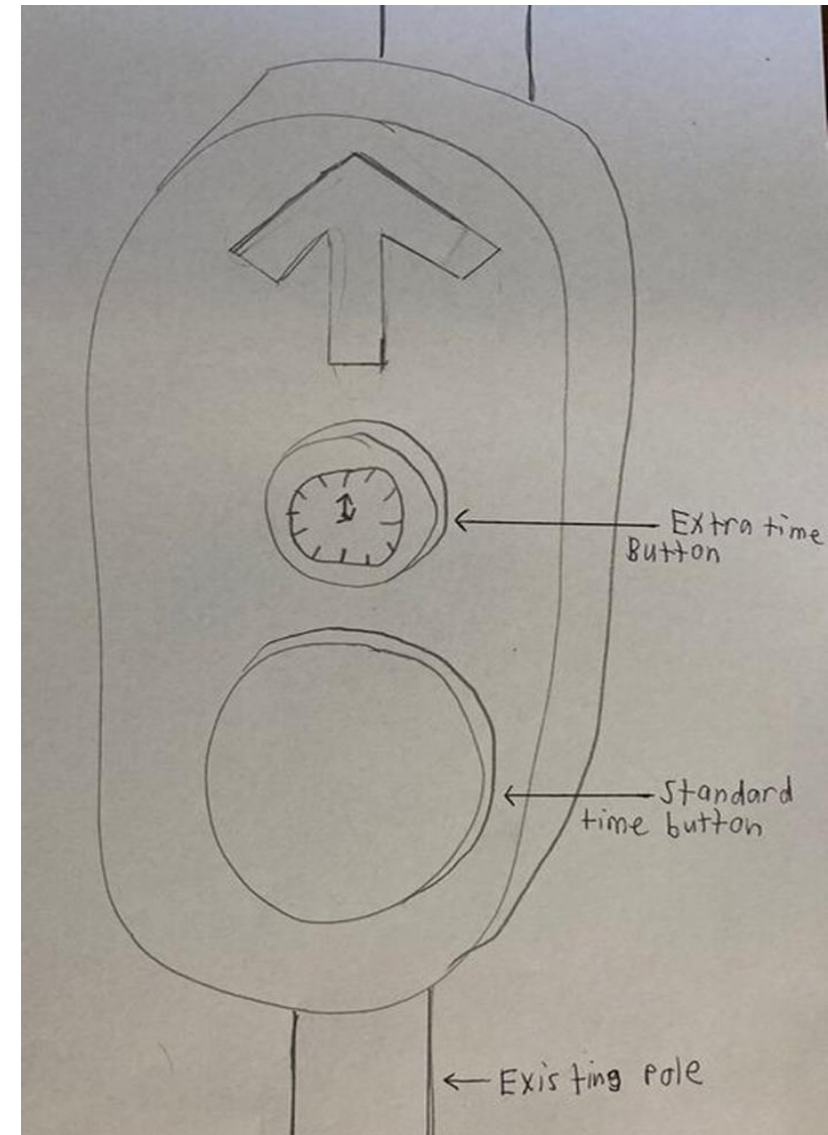




Most people crossed the road between 13 to 15 seconds. Elderly and disabled people took longer than average and they are only able make it to the other side of the road safely if they leave the footpath immediately as the light goes green. If they didn't leave the foot path straight away then the light changed back to solid red before they got to the other side and it is no longer safe to cross the road.

How does this technology work?

This technology works with the addition of an extra button located on the existing pedestrian infrastructure. Pressing this button increases the amount of time given for pedestrians to cross the road.



What are the Requirements for this technology?

The requirements for this are an amendment to the existing pedestrian button, changing the traffic light sequence times and a public awareness campaign to make sure disabled people know it is there.