



Advanced pedestrian CROSSing Signal for Safety (ACROSS) is designed with pedestrian safety in mind. ACROSS is inherently safer than pelican crossings.

Note: Under ITSPE's policy of continuous development and improvement, this product may undergo changes in the future.

ADVANCED PEDESTRIAN CROSSING SIGNAL FOR SAFETY (ACROSS)

ACROSS is an intelligent pedestrian crossing designed with pedestrian safety in mind. Using detectors, ACROSS will extend the red-light duration of vehicles to allow vulnerable and slow moving pedestrians to cross the street. Similarly, kerb-side detectors are used to cancel the pedestrian stage if people no longer want to cross the street, thereby reducing unnecessary stoppage of traffic. ACROSS can optionally be configured to time the stoppage of vehicles to minimise traffic delay if additional detectors are installed.

Components of ACROSS

- **Push button for pedestrians:** Pedestrians push this button to request traffic stoppage
- **Kerb-side detector:** Detects pedestrians waiting to cross the street
- **On-road detector:** Detects pedestrian presence in the middle of the road
- **Traffic Intelligence Module:** A local programmable hardware unit that runs the ACROSS algorithm

ACROSS advantages

- **Pedestrian safety:** Stops the traffic for longer if pedestrians are detected on the road at the end of minimum green
- **Safety oriented design:** Components are installed such that pedestrians look in the direction of traffic while waiting for the green signal.
- **Traffic efficiency:** Does not stop the traffic if people no longer want to cross the street. E.g. they decide to walk away, or cross the street during a small gap in traffic before pedestrian green
- **Signal timing synchronisation:** ACROSS can optionally be programmed such that signal timings are coordinated with that of adjacent junctions.

Ordering details

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