

Kildare County Council Driver Feedback Signs - Specification

General Requirements;

- Sign equipment shall be capable of communication with the Councils Traffic Management Centre.
- All equipment necessary to allow each sign to communicate with the TMC shall be included and supplied. Where this is through web access to a third-party site then a minimum of two years access shall be included in the quoted price.
- Signs shall be solar powered.
- Sign layouts shall be in accordance with the sample layouts supplied. Please refer to standard Sign Layout at the end of this document.
- Signs, poles and display units shall be in accordance with the Traffic Signs Manual and EN 12899: 1 2007.
- Sign and Radar System must be CE Certified – copy of certificates to be submitted with tender.
- Signs shall display the speed of detected vehicles in red when exceeding the set limit and in green when at or below the set limit. The minimum character height for numerals shall be 300mm.
- The signal equipment shall be capable of operating with the display off but shall still detect and record vehicle speeds.
- All detection equipment shall comply with the requirements of the Commission for Communications Regulation. Proof of such compliance shall be included with the tender submission.
- The signs shall be capable of having display settings changed remotely, and shall be supplied with all equipment, software or web access to allow this function.
- The sign equipment shall record the speed of any detected vehicle and the speed data collected shall be capable of remote download.

- The signs shall not display the speed of any vehicle below a set level which shall be remotely adjustable.
- The signs shall not display the speed of any vehicle above a set level which shall be remotely adjustable. The sign equipment shall however record the speeds of these vehicles.
- The data collected by the signal equipment shall be capable of being exported in a format compatible with Excel.
- The sign equipment shall be capable of communicating with TMC such information as will enable the status of the equipment to be determined.
- The signs shall have automatic multi-stage LED brightness adjustment (depending on background ambient light conditions).
- The sign equipment shall have minimum warranty period of 24 months and the warranty period shall be stated in the tender submission.
- The poles shall have 2.25M clearance from the lower edge to footpath level.

Additional Requirements;

Display

Resolution : 16x18 min Pixel

Pixel Grid: 20 mm

Digit Size: 30.5 cm

Reading Distance: 150m

Update Rate: 0-1.5 seconds

Bitmap Memory: < 200 Displays

Electrical Data

Input Voltage: 12V

Standby Operation : <0.1W

Peak Operation: 4W

Radar Sensor

Operating Frequency: K-Band (24GHz)

Transmitting Power: 5mW

Certification: FCC, IC, CE approved

Operating Speed: 2 to 199 km/h

Detection Range: min 100m

Accuracy: +/- 3%

LEDs

Main Radiation Angle: 30 degrees

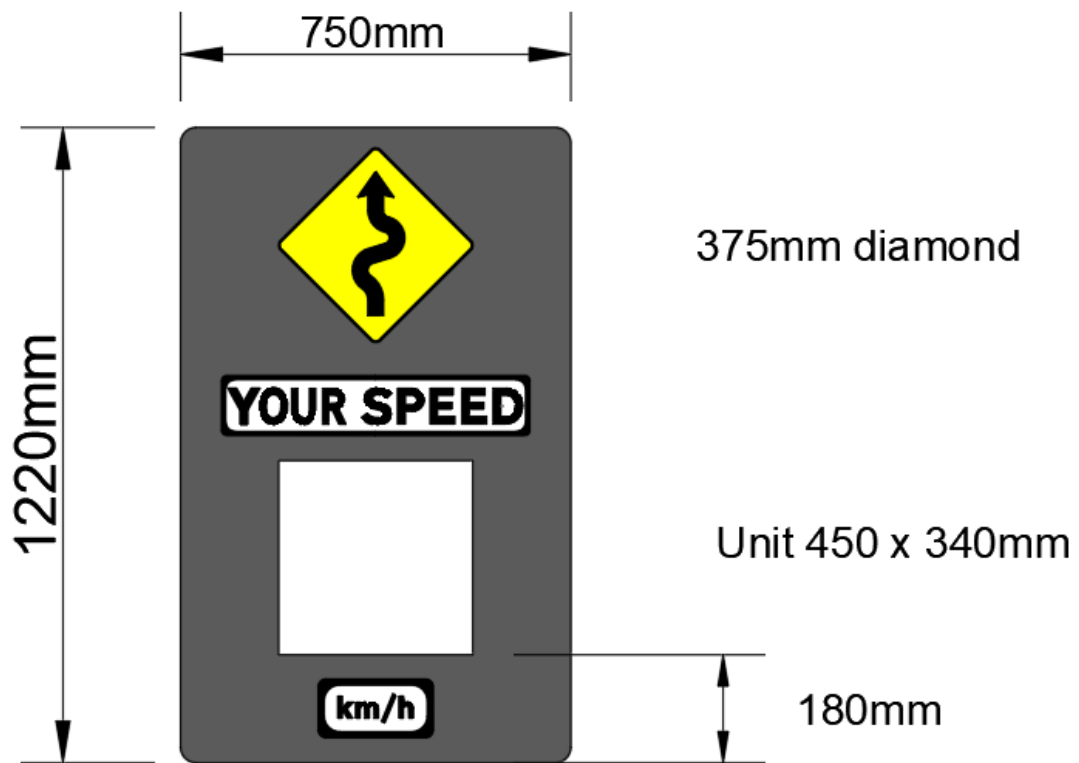
Viewing Angle: > 120 degrees

Mechanical Data

Protection Degree: IP67

Operating Temperature: -25 to 60 degree C

Standard Sign Layout – Type A



Standard Sign Layout – Type B

