

EPOA 2024 Parking Guidance

Connectivity Mapping – Supporting Information

This information supports the GIS mapping available through the Essex Design Guide website. There are 4 GIS layers:

- **Connectivity:** Each grid square on the Connectivity Map reflects a combined performance across three modes, measured by:
 - **Walking:** Connections to urban centres within 10- and 20-minute walking times (assuming a 4.8km/h speed)
 - **Cycling:** Connections to urban centres within 10- and 20-minute cycle times (assuming a 16km/h speed)
 - **Public transport:** County-wide Public Transport Accessibility Level (PTAL) scores

The information is correct at April 2024.

Score and Colours

Each grid square has a 'score' associated with each of the three layers, these combine to determine the colour of the square, therefore some colours can represent slightly different scenarios. On the mode maps the stronger the colour the greater the connectivity for that mode.

In general the colours on the Connectivity map reflect:

- **Very low - no colour** = more than 20 minute cycle (and walk) of an identified centre AND very limited / no public transport (PTAL of 0 or 1)
- **Low - red** = very limited / no public transport (PTAL of 0 or 1) but within a 20 minute cycle of an identified centre
- **Moderate - orange** = either:
 - very limited / no public transport (PTAL of 0 or 1) but within 10 minute cycle of an identified centre
 - some public transport coverage (PTAL of 2 or 3) but more than 20 minute cycle of an identified centre
- **Good - green** = either:
 - good public transport coverage (PTAL 4 or 5) OR
 - some public transport coverage (PTAL of 2 or 3) AND within 20 minute cycle of an identified centre
 - very limited / no public transport (PTAL of 0 or 1) but within 20 minute walk (and 10 minute cycle) of an identified centre
- **High - light blue** = either:
 - very good public transport (PTAL 6+) OR
 - good public transport coverage (PTAL 4 or 5) AND within 20 minute cycle of an identified centre OR

- some public transport coverage (PTAL of 2 or 3) AND within a 20 minute walk (and 10 minute cycle) of an identified centre
- **Very high - dark blue** = either:
 - very good public transport (PTAL 6+) AND within 10 minute cycle of an identified centre OR
 - good public transport coverage (PTAL of 4 or 5) AND within a 10 minute walk (and 10 minute cycle) of an identified centre

An area cannot achieve higher than 'good' / green without some public transport coverage.

A grid square beyond a 20 minute cycle of an identified centre can achieve up to a 'high' / light blue purely on public transport (there are not many instances of this within Essex).

Identified Centre

The identified centres are taken from GIS opensource dataset OpenStreetMap “Places”, some minor modifications were made through consultation and development of the guidance.

EPOA

5/2025