

# A127, Ardleigh Green Bridge, Essex

**John F Hunt**



Transport for London



£60k



3 years

## Project Overview

As part of the road modernisation plan, Transport for London invested £32m to replace the Ardleigh Green bridge which carries the A127 Southend arterial road over the East Anglia Railway.

The work sees the 90 year old bridge, replaced with a new, wider structure offering improved facilities for pedestrians and cyclists.

The new bridge provides improved headroom for Cross-rail and domestic trains running to and from London.

Our scope of works were diamond drilling, wire sawing and floor sawing works.



## Challenges

Using a variety of drilling and sawing techniques over numerous visits, such as floor sawing sections of the bridge for lifting, followed by the wire sawing of the buttresses ready for removal which allowed new bridge sections to be installed.

To limit the works impact on the rail network, we were often tasked with working out of normal hours often at night and battling the frequent in-clement weather conditions.

## Achievements

Possessional works continue around the clock.

Critical targets, due to the nature of the works, were achieved.

