

Cambridgeshire Guided Busway

Client :
Cambridgeshire County
Council

Designer :
Parsons Brinckerhoff

Location :
Cambridgeshire

Date :
2006 - 2011



*Considerate
Constructors Scheme
Gold Award*



The 26km Cambridgeshire Guided Busway will be the longest busway of its kind in the world. It will provide high quality, reliable and frequent bus services for thousands of new residents who will move to Cambridgeshire over the coming years. The scheme is part of the County Council's approach to dealing with the increased need for travel that will result from the construction of 47,500 new houses in the area by 2016.

The busway was built along the disused railway line from St Ives to Cambridge. When buses reach Cambridge, they will turn off the guideway and use the normal roads to travel through the city centre. A second section of guideway has been built from Cambridge railway station to Trumpington Park and Ride site.

A 25 acre site compound was constructed with a bespoke plant and precast concrete factory where 6,700 beams weighing 15 Tonnes and 15 metres long were made. Using local quarries for aggregate and having a batching plant on site meant fewer lorries on the roads.

A hydraulic gantry crane was designed in-house by BAM Nuttall to lift the sections into position. The crane was fitted with guide wheels to ride along the finished guideway.

Keeping the public informed

Two dedicated Public Liaison Officers worked with the local community to keep them informed through Local Liaison Forums. They produced project newsletters, carried out letter drops and visited local schools to hold safety assemblies where the younger children learnt about the dangers of construction sites.

Environmental mitigation measures

Environmental considerations were key from an early stage in the project including:

- Creation of 16 new areas for wildlife, including hedgerows, scrub, grassland, open water and woodland.
- Provision of bat boxes, bird boxes and ponds.
- Protection of badgers, Great Crested Newts, breeding birds and the Grizzled Skipper Butterfly.
- Construction of mammal underpasses.

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