



Croydon Tram 1st Year Track Replacement

Client / Consulting Authority:
Transport for London

Date:
June 2009 - October 2009

Project Value:
£1.9m

Location:
Croydon



Project Highlights

Colas Rail was contracted to undertake remedial work to replace track components and drainage at East Croydon, Cherry Orchard Road (drainage only) and George Street (over the Wellesley Road underpass). The interface management between the site work and members of the public was key to Colas Rail.

Project Description

The construction works to install the pre-cast slabs and new rail was staged to allow vehicular traffic use of Wellesley Road North during the works. At East Croydon Tram Stop there are six Switch and Crossing units with switch motors and operating mechanisms located within the slab. The S&C units were replaced with new longer turnouts. This increased the turnout radii and consequently reduced wear on both rail and wheel sets and improved passenger ride characteristics. The in-situ

concrete slab was broken down and re-constructed as necessary to suit the existing switch motor and operating mechanisms installed within the slab. Cherry Orchard Road drainage works replaced the drainage between East Croydon tram stop and Colson Road. New cross channel drain outlets (silt traps/gully pots) and connecting surface water runs to backdrop into the main surface water system to alleviate localised flooding.

In order to complete the planned work on time it was necessary to work around the clock. The project constraints of working to a very tight construction programme, within limited space, working with in an urban environment were very well managed by the Colas Rail delivery team.

All of the site works were carried out within a tight 40 day construction programme and an operational tram system was delivered to Transport for London within the agreed timescale.