

# Airdrie to Bathgate & Linked Improvement Project

**Client :**  
Network Rail

**Designer :**  
Scott Wilson

**Location :**  
Scotland

**Date :**  
2007 - 2010



The Airdrie Bathgate and Linked Improvement Project involves the re-opening of the former Airdrie to Bathgate Railway, upgrading the infrastructure between Bathgate and Newbridge Junction to double track and electrification of the route from Airdrie into Edinburgh Waverley Station.

BAM Nuttall has been involved in the delivery of two major packages; the Advanced Works Structures and the Operational Civils package. Both have involved a combination of dayshift, planned possessions and blockade working to efficiently deliver the Client's requirements.

BAM Nuttall also constructed two railway stations at Airdrie and Bathgate, incorporating a new station building at Bathgate and new DDA facilities including a pedestrian bridge and lifts at both stations.

A key factor in the successful delivery of the project was the collaborative working relationship with Network Rail. This approach allowed the project team to work together on solutions and maintain flexibility within the programme to accommodate alterations to key dates and project priorities.

During bridge reconstruction works we reduced the use of the Kirow Rail Crane and its associated risks by using large capacity mobile cranes on three out of the four heavy lifts. This approach had a major impact on reducing the requirement for track possessions.

BAM Nuttall's programme maximised the use of failsafe working during dayshift following advice from our in-house possession management team. This significantly reduced the need for night time working and the associated public nuisance. Failsafe systems were implemented using a combination of look out protection, fenced green zone, slew restricted plant and failsafe barriers.

Our dedicated community relation officer attended community forums in sensitive areas and prepared regular notification letters to local residents. We worked with Network Rail to minimise the disruption to local residents during night working. One example was restricting the use of one particular vehicle access point by using alternative access points within an industrial estate.