

Adelaide Depot – Translink, Belfast

# Modern depot keeps Translink on track

**£15.6m**

/ Project value

**April 2011**

/ The build commenced

**September 2012**

/ The build was completed

Commended by the RICS for its 'Design and Innovation', the Adelaide Depot is an important addition to Translink's rail network. Completed on time, over 18 months, and on budget, the £15.6m project includes two new railway firsts for Northern Ireland - the creation of a signalling gantry at Great Victoria Street Station and a 'double slip' crossing, which has maximised train flexibility. Core elements of the 'CCS Gold Award' winning works include the construction of a new train care maintenance facility and 1600m of railway track.

## The Brief

Committed to the delivery of a "high quality, accessible and comfortable public transport system", Translink required a modern depot to alleviate the pressure on its existing train cleaning and maintenance facilities, with the capacity to accommodate its fleet of new Class 4000 and 3000 trains.



"The project team worked together from feasibility stage to develop state-of-the-art facilities for Translink's new fleet and improve End User experience through well considered layouts"

RICS Commendation for Design and Innovation

**“The new Maintenance Depot at Adelaide allows NI Railways to maintain its fleet of Class 3000 and Class 4000 trains in a secure, well laid out, modern maintenance facility, which has been well designed with the end user in mind especially with regards to staff facilities, heating and component movement equipment”**

Richard Noble  
Translink's Fleet Engineer

### The Challenges

Minimising disruption to Translink's operations, and safeguarding its passengers against inconvenience, were to the forefront of our construction programme. Early in the process, critical works on the main Belfast to Dublin line to install the mainline crossover, and turnout into the core construction site, demanded efficiency and creativity. Delivering these works early in the programme, and a proactive, collaborative approach from all parties, ensured minimal passenger disturbance. Importantly, the timely handback was achieved over two 54-hour mainline possessions. Consistent consideration was also given to the neighbours, businesses and stakeholders.

### GRAHAM's added value solution

Honoured by the CCS with a 'Gold Award', and runner up for the 'Most Considerate Site', the Adelaide Depot project is "an excellent example of modern construction". Incorporating a social clause model, which has since been adopted by Translink for future works, our programme also featured the roll out of alternative concrete troughs. The troughs provide a more durable, secure and aesthetically pleasing product. Completed over 311,000 'man-hours', the core components of the development encompass the construction of a 5100m<sup>2</sup> train maintenance building, new office buildings plus 20,000m<sup>2</sup> of train washing, fuelling apron and oil storage facilities. 1600m of railway, for both heavy and light maintenance, complement track interfaces and crossovers with the existing Belfast to Dublin lines. Promoting environmental benefits, our innovative design is laced with energy efficient lighting, solar panels and grey water harvesting.

### Outputs & Benefits

- / **Widespread Recognition:** Gold Award – Considerate Constructors Scheme, Runner Up – Most Considerate Site
- / **Design Commendation:** RICS Commendation for Design and Innovation
- / **Area First:** Two new railway firsts for Northern Ireland in the creation of a signalling gantry at Great Victoria Street Station and a 'double slip' crossing
- / **Added Value:** We installed systems over and above the specification including an extraction system
- / **Social Responsibility:** Our social clause model has since been adopted by Translink for future works
- / **Alternative Solutions:** Alternative concrete troughs were utilised and have been endorsed by Translink for its future projects



For more information on how we're delivering lasting impact:

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