



## GLASGOW

# Robroyston Station

## The Project

Robroyston provides Glasgow with its 60th station, and serves a community growth area connecting Millerston and Robroyston commuters heading for Glasgow on the M80.

The new station is located adjacent to the existing line and partially developed on the disused Robroyston Yard which closed in 1967. This new station development enables a half hourly service to both Glasgow and Edinburgh along a major rail route.

Delivery coincided with timetable changes for December 2019, therefore it was vital the station was completed on programme.

The first train called at Robroyston station at 08:37 on Sunday 15 December, which marked the introduction of the new timetable, and signified successful delivery.

AmcoGiffen were awarded the multi-discipline design and build contract, which included; Civils, Structures, M&E, P-Way, Telecoms.

**Location:** Glasgow

**Clients:** Abellio Scotrail (Developer), Transport Scotland, Glasgow City Council (Regional Authority) & Network Rail

**Project Value:** £6 Million

**Dates:** Jan 2019 – Dec 2019

## Scope of works

- Construction of new twin 150m platforms with footbridge
- Step-free platform-to-platform access via integrated lifts
- Waiting shelters, seating, lighting for station walkways
- CCTV, ticketing and passengers information systems
- Construction of 2 large car parks, totalling 270 car park spaces, cycle access and EV charging points
- P-Way and OLE alterations
- Public Transport Interchange



### Challenges

Preliminary work on the station started in September 2018, and due to the geotechnical challenges, significant pile support depths were required for the platform, lift shaft and footbridge structures. The car parks required 942 precast concrete piles with resilient and flexible Huesker (for car parks) and Tensar (for roads) soil reinforcement geogrids.

The station has two car parks. One is on the south side of the line, serving the settlement of Millerston, while the other, much larger, car park provides the park and ride facility from the M80 and will serve the future development of 1,600 homes. To ensure an acceptable OLE contact wire height, the station had to be located some distance from a nearby bridge and that the station's construction required the four existing OLE structures to be replaced by five repositioned structures.

### Innovations

The platforms are an innovative glass reinforced polymer (GRP) steel system, this enabled the platforms to be built using rules of route possessions due to its modular lightweight components, reducing programme and access requirements compared to conventional methods. As the geotechnical challenges emerged throughout construction, AmcoGiffen engineered this modular system with builtin height adjustment to prevent any ground settlement.

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"Completing Robroyston on time for the new timetable changes, and connecting communities separated from rail services for over 50 years, AmcoGiffen have played a vital role in improving Scotland's Railway – thank you for all your support and excellent safety record throughout the project, together we have jointly delivered a station facility to be proud of, leaving a legacy for future generations!"

**Kirsty Devlin**

Head of Projects, SOM

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