

Structural – Northern Ticket Hall, Kings Cross St Pancras



Project details:

The transformation of London's oldest and busiest Underground station into a contemporary hub for international and domestic rail services has been completed.

The new Northern Ticket Hall at Kings Cross and St Pancras Underground station was opened on the 2nd December 2009.

The concrete slabs for the three storey concrete box / hall was designed and cast using a 40N/mm² Lytag[®] Lightweight aggregate concrete, to reduce the overall concrete weight, with a U2 & F4 finish.

The 2000m² hall significantly increases the station capacity and provides a boost to passenger movement between mainline services at Kings Cross and St Pancras international stations and the London Underground network.

In addition to the new Hall, ten new escalators and five lifts were installed. 300m of new tunnels were also dug to link with the Northern, Victoria and Piccadilly deep level tube platforms.

Project:

Northern Ticket Hall, Kings Cross St Pancras underground station

Date:

2007 – 2009

Client:

Transport for London - London Underground

Architect:

Capita Architecture

Structural Engineer:

Capita Symonds

Main Contractor:

Balfour Beatty Civil Engineering/Balfour Beatty Engineering Services

Readymix supplier:

Hanson

