

Balvac repairs Anlaby flyover

Balvac has undertaken repairs to the Anlaby flyover, which carries the A1105 Anlaby Road, one of the main access routes into Hull City Centre and the KC Stadium.

Constructed in the early 1960s, the 376m-long reinforced concrete structure was suffering with concrete delamination from years of severe saline attack caused by road salts. In places, the condition of the concrete was so deteriorated that sections had fallen away, exposing the internal steel reinforcement.

Balvac was awarded the contract following a competitive tendering process and began the repairs in May 2014. In accordance with the client's specification, Balvac carried out 36m³ of concrete repairs utilising the Sika range of materials which included Sika Armorex Armorcrete for the poured repairs, Sika Monotop 612 for the hand repairs and Sika Cem Gunitite 133 for the spray applied concrete repairs.

Incorporated into the repairs were over 2,500 Vector Galvashield Anodes which provide cathodic protection against future reinforcement corrosion. The concrete was additionally protected with the application to over 2,500m² of Sika Ferrogard 903 corrosion inhibitor, while Sika Guard 550 W, a protective elastomeric coating, was applied to 9,000m² of concrete surfaces.

Over 1,000m of steel parapet railings were fully repainted and over 500m² of Tremco waterproofing applied to the pedestrian ramps.

Balvac worked through the winter months in difficult weather conditions, sequencing repairs to minimise temporary works. Pedestrian access was maintained, particularly during events at the KC Stadium.

Balvac maintained an excellent relationship with Hull City Council throughout the works, delivering another quality structural refurbishment and repair project.



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