



Stratford City, Bridge 14 London

Client: Stratford City Developments Ltd (Westfield Shoppingtowns Ltd)
Architect: Knight Architects
Consultants: Arup / Pinniger
Contractor's Team: Morgan Est / Butterley / Benaim Scott Wilson

Completion: 2009

Knight Architects has enjoyed a leading role in the aesthetic design of the infrastructure for the £4bn Stratford City development in East London, including new pedestrian and cycle bridges of 26m, 35m, 39m and 57m spans. This major project will see the regeneration of 73ha of inner city land adjacent to the Olympic Park. Set above the extensive network of existing railway infrastructure, the projects must provide consistency in appearance, quality and safety. Bridge 14 is a 6m-wide

pedestrian and cycle bridge with a single span of 57m across railway lines with overhead line electrification. One of the key challenges was reconciling the stringent security demands of Network Rail with the equally high expectations of the planners for an excellent pedestrian environment. The 1.8m deep structural beam demanded by the span is used to provide the tall safety parapet, with the inner face of each beam

clad in a backlit stainless steel mesh. The profile of the multiple web stiffeners on the outer faces of the beam constantly varies from end to end of the bridge, realising a virtual wave pattern in the south facing structure.