

LONDON BRIDGE STATION

Appendix 10 Pedestrian modelling of local streetscape and crossings

June 2011



Project Code	Contract Code	Originator Code	Document ID Code	Discipline Code	Sequential Number	Version
N420		NRT	PED	EG	000003	

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1. Executive summary

- 1.0.1 As part of the Transport Assessment to support the planning application for the proposed redevelopment of London Bridge station, the Thameslink Programme has undertaken an assessment of pedestrian movements in the local area following delivery of the project and considered any implications for pedestrian movements or pedestrian crossing timings.
- 1.0.2 A review of the performance of the current street network has been undertaken and this has been used to support a detailed assessment of pedestrian movements for the target year of 2031 following redevelopment of the station.
- 1.0.3 Review of the current situation indicates that the existing street network experiences level of densities up to Fruin's Level of Service B, with the areas of highest congestion being observed towards the London Underground Borough High Street entrances, to the south of the intersection of Borough High Street and St Thomas and Bedale streets.
- 1.0.4 Within the station the highest densities are experienced along the interchange route between London Underground and the National Rail stations.
- 1.0.5 Assessment of the 2031 situation confirms increased pedestrian volumes across the majority of the study area.
- 1.0.6 Review of the pedestrian flows shows that, except for a worsening of the previously identified congestion issue, which would be expected to occur with or without the redevelopment of London Bridge station, pedestrian experience remains within recommended levels.
- 1.0.7 Review of crossing performance also confirms that the cycle times put forward in the Transport Assessment are sufficient to meet pedestrian requirements.
- 1.0.8 The impact of the redevelopment of London Bridge station on pedestrian movements in the local area is therefore considered to be acceptable.