The Arncliffe Pedestrian Link (APL) is a 30m long tunnelled underpass crossing under the existing commuter and freight lines of the Illawarra railway line. The APL allows pedestrians to take a more direct route across the rail corridor, and improves access to the neighbouring Al Zahra College, residences and businesses. The ground conditions for the underpass construction were difficult, comprised mostly of clayey sands and sandstone cobbles. Railway operation was maintained throughout the tunnel construction.

The presentation will describe how the tunnel design developed from concept to final approval and will discuss the main constructability and technical challenges faced by the design and construction teams.

Technical Session – Wednesday, 19th October 2016

5:30pm – 6:00pm  Assembly, light refreshments
6:00pm – 7:00pm  Presentation
7:00pm – 7:30pm  Questions, Discussion & Drinks

Venue: Engineers Australia Auditorium
3/8 Thomas St, Chatswood NSW

Members of ATS or EA: FREE, Non-Members: $30

Please register via this link: click here.

Luke Drowley led the design team for the APL project, and was SMEC’s site representative during tunnel construction. His previous project experience covers drill and blast, TBM, roadheader, and top down tunnel excavation techniques; in a range of ground conditions from hard rock through to soft silt. Important projects in Luke’s career to date include the Ulu Jelai Hydropower Project (Malaysia), the Adelaide Desalination Project, the City West Cable Tunnel (Sydney) and the Lane Cove Tunnel. Luke is currently SMEC’s NSW Tunnel Manager.

Robert Le Lievre from John Holland is the current Alliance Manager for the NSRU Alliance; he was the commercial lead during the construction of the ALP project. Robert’s previous experience consists of large infrastructure projects, such as North Strathfield Rail Underpass, Glenfield to Leppington Rail Line, East London Line Upgrade (United Kingdom) and Crossrail (United Kingdom).

Important Notice – Change of address/Update details

We maintain an e-mail address list to facilitate and keep you informed on information relating to the activities of the ATS. To update your details or to be removed from our mailing list, simply email the Sydney group at pbelcher@engineersaustralia.org.au

If you have any questions please do not hesitate to email us. Thank you.