



CHINA HONG KONG PERMANENT WAY SOCIETY

P.O. Box No. 626 Shatin Central Post Office

June 2010 Function:

Technical Seminar – Talk on “Slab Track Systems of Taiwan High Speed Rail”

Monday 21st June 2010

Time: 6:30 pm to 7:30 pm

Theatre, 2/F, Fo Tan Railway House

During its construction Taiwan high speed rail represented the largest ever build-operate-transfer railway project. It was conceived in the early-1990s as a new transport link down the western corridor of the island. A 35-year concession was awarded to a private company, Taiwan High Speed Rail Corporation (THSRC), in 1998 and was opened to the public in January 2007.

From its beginning as a European style high-speed line, the considerable involvement of the Japanese as the E&M and trackwork main contractors, morphed the trackwork design into a unique mix of Japanese Shinkansen and German Rheda technologies. This includes:

- The engineering and construction of non-ballasted high-speed turnouts and crossovers on elevated structures to an extent never before attempted
- The widespread installation of Shinkansen J-slab tracks on simply supported structures for the first time

Ian Winfieldale, currently Engineering Manager in the International Rail Division of Laing O'Rourke in Hong Kong, was employed by THSRC for 10-years from mid-2000 in their permanent way department. He was involved with the preparation of the original trackwork specifications through international tendering, design review, construction to eventual operation and subsequent maintenance.

His presentation will expand on the design of the various trackforms used on THSRC, including some of the unique features that were required.

To enroll, each participant has to confirm to CHKPWS his/her name, employer or firm and contact telephone no. You should also provide your membership no. and grade, at the same time when returning your application using the form attached by **16 June 2010** to Anita Ip at Fax no 2947 7001 OR via e-mail to ANITAIP@mtr.com.hk

Looking forward to seeing you there on 21st June 2010.

SK Leung
Secretary, CHKPWS

