

OUR APPROACH

Atkins China Ltd. managed the full range of design and supervision services on this project including transportation, traffic and urban planning; civil, structural and geotechnical engineering; architecture and station planning; electrical and mechanical building services; safety and reliability; property development interfaces; environmental planning and landscaping; quantity surveying and contract documents; construction planning, programming and supervision. The total value of capital works was approximately US\$300 million.

The design was completed on time to a very tight programme using a “fast track” approach – 3000 drawings were successfully produced

within seven months of commencement. Modern project management techniques were employed including value engineering which contributed to a reduction in estimated costs of over 25%. Risk management and control was also implemented.

OUTCOMES

The design was successfully completed for the 12 car West Rail system. At the end of the design KCRC decided to switch to a 9 car system and the whole design process was carried out again. Time for the re-design was obtained by carrying out the reclamation / reprovisioning works under an advance contract. Further major benefits were achieved in terms of cost savings and improved layout. The project was ultimately successfully constructed within budget and to programme.

