捷運環狀線*CF650*區段標*CF651B*施工標榮獲中國工程師學會*106*年度工程優良獎

文圖/江光建、李家旭　英譯/何美英

捷運環狀線CF650區段標CF651B施工標中和站(含)至板新站(含)土建工程施工地理區域，東起新北市中和區景平路與中山路2段交叉口之中和站，以疊式高架橋行經中山路2段右轉進入板南路，於板南路段設置橋和站與中原站，再於板南路中正路口以疊式高架方式穿越台64線快速道路，並沿台64線平行接入板橋區板新路後改為側式高架橋，西至新北市板橋區板新路與中山路口之板新站止，本標計有高架車站4座，高架橋長2,430公尺及各站出入口土開大樓工程。本標為臺灣捷運系統首次採用高架疊式車站及高架橋之方式興建，並將車站模矩化、月台標準化。

本標施工範圍皆落於地狹人稠之中和區與板橋區，故於各階段施工過程中，皆因路幅狹窄、民房緊鄰等許多不利施工條件，使本標工程處處充滿挑戰性，為達安全、如期、如質且降低交通衝擊等因素，本標面臨下列挑戰：(1)車站基樁受無法遷移汙水管影響，且需維持既有交通動線之挑戰(2)路幅狹窄、民房緊鄰之鋼柱、帽梁及疊式橋梁吊裝，利用連續夜間封路6小時完成吊裝之挑戰(3)疊式80公尺連續梁跨越中正路台64線高架橋段，利用連續夜間封路6小時完成吊裝之挑戰(4)疊式橋梁跨路口46公尺曲梁吊裝之挑戰。經各級長官督導及施工人員通力合作下，相關作業均已如期如質的完成。

環狀線第一階段工程串連多條捷運系統，構建臺北都會區完整路網，提升運輸服務效益。完工營運後，對改善雙北市整體交通問題，紓解交通瓶頸極具功效，將使雙北市內的城鄉發展競爭力得以提昇，並提高時間效益、節省行車成本、降低私人運具使用比例，也符合低碳城市的精神，提高更大的城市競爭力。

106年**6**月**2**日中國工程師學會年會假高雄中鋼公司中正堂受獎

Circular Line Section Contract CF651B Honored with the 2017 Engineering Projects Excellence Award

Being commissioned by the New Taipei City Government, DORTS' East District Project Office was responsible for the construction of the Circular line section contract CF651B. Due to outstanding performance, the contract won an excellence award at the 2017 Engineering Projects Awards sponsored by the Chinese Institute of Engineers. Because the construction sites are situated in densely populated areas in Zhonghe and Banqiao districts, the team workers were challenged by many tough circumstances such as narrow roads and many closely neighboring buildings. However, the workers rose to the occasion and completed the construction as scheduled through the supervisors' direction and team members' collective efforts.

The completion of the construction will improve transportation services between Taipei City and New Taipei City and greatly contribute to the alleviation of traffic congestion; furthermore, the transportation linking the two cities will balance urban and rural development and enhance regional competitiveness.