

環狀線區段標工程榮獲中國工程師學會 「工程優良獎」

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環狀線「CF640區段標CF643B子施工標工程」及「CF650區段標CF651A子施工標工程」榮獲中國工程師學會「工程優良獎」。

CF643B子施工標工程位於新北市新店區環河路、溪園路西側之十四張地區，高架橋梁有7座橋墩位於新店溪行水區域內，其中2座橋墩位於新店溪中央，1座由新店側進入施工，另1座由中和側進入施工，其帽梁型式非常特殊，懸臂達16m，施工困難度及複雜度甚高。河川區施工需取得河川公地使用許可並納入防汛應變計畫執行，施工存在地質狀況不確定因素及汛期施工風險，需考量高程訂定及水理計算、擋土及支撐形式之安全性、施工性、止水性、開挖祛水井布設及汛期施工工期安排等因素。

新店溪行水區域施工每逢氣象局發佈海上颱風時，即需於警報發布4時內將新店溪高灘地搭設之施工便橋、覆工版及機具辦理撤離完成，自本工程開工至高架橋梁施工完成期間，共計14次撤離作業，圓滿達成任務。

另CF651A子施工標工程施工範圍皆落於地狹人稠之中和區，其中有2.21公里與台64線高架橋共線，且沿線大型管線如2000mm自來水管、2500mm污水管、台電特高壓管線及中華電信河道交錯於工區內，故基樁、基礎皆需避開前揭管線位置，施工條件相對不利，經工務所及施工廠商通力合作之下，完成捷運首創於既有快速道路高架橋設置構台施作基樁、捷運單一工程達450支之限高型基樁、81單元限高型連續壁樁及捷運工程首次採用推進工作車吊裝鋼梁等創舉，為本局爭取榮譽佳績，打造世界一流的捷運系統。



CF643B標高架橋梁施工作業



CF651A標工作車吊裝鋼構作業



107年度中國工程師學會工程優良獎107年6月1日頒獎典禮照片

Circular Line Subcontract CF643B and Subcontract CF651A Projects Honored with the 2018 Engineering Projects Excellence Awards by Chinese Institute of Engineers

Subcontract CF643B of the Circular line section contract CF640 starts from the west side of the daylighting section on Mingquan Road, Xindian District, New Taipei City. The elevated section passes through the MRT South Depot and crosses the Xindian River before heading to Xiulang Bridge Station in Zhonghe. Spanning a total distance of 1.3km, the project includes the elevated Shisizhang Station. During the course of construction, the project was the recipient of the Public Construction Commission's 16th Public Construction Golden Quality Award and a special award at the 2016 National Golden Award for Architecture (for best construction quality). Meanwhile, subcontract CF651A of section contract CF650 begins from Xiulang Bridge Station (Y8) at the Xiulang Bridge side of the Jingping Road in Zhonghe District, New Taipei City, and the route runs west from Jingping Road to the intersection of Zhongshan

Road. Related tasks have been conducted as scheduled and completed. The two construction projects have both won the 2018 Engineering Projects Excellence Awards from the Chinese Institute of Engineers Engineering.