人天橋建設。繼2024年9月成功架設橫跨 steel in footbridge construction. After completing the footbridge

]四跨度圓環行人天橋已於2025年7月初完 footbridge at the Lung Yeuk Tau Interchange was erected in early-July

成架設,連接橋亦已於8月及9月期間陸續 2025, followed by the completion of its link bridges between August

and September.

梧桐河的行人天橋後,位於龍躍頭交匯處 across Ng Tung River in September 2024, the quadruple span circula







四跨度橋面成功架設

Successful Completion of Quadruple Span Lifting of Circular Deck of Ultra-high Strength S960 Steel Footbridge



透過使用S960鋼材的輕量化設計,四跨 By utilizing a lightweight design with S960 steel, the weight of th 度圓環橋面及4座連接橋的重量得以大幅 quadruple span circular bridge deck and the 4 connecting bridge 降低,為工程團隊帶來更多安裝選項。 been significantly reduced, providing the project team with m 利用鉸索吊裝,即可在數小時內,將直 installation options. With the application of strand jacks, the 4 徑達40米的圓環橋面,舉升5米至設計高 metre-diameter circular bridge deck can be lifted up by 5 metres to t 度,整個操作過程既安全又穩定。

土木工程拓展署聯同工程團隊,邀得一眾 政府部門及專業代表,蒞臨工地現場見證 Delegates from various government departments and professio



■ 報看龍躍頭交匯處圓環行人天橋橋面 架設過程 Watch the quadruple span lifting of tbridge deck at Lung Yeuk Tau Interchange

鋼材機械臂焊接。使用植 械臂焊接可以提升過程時 控制熱輸入量的精準度 確保質量穩定性,亦可看 代人手進行熱工序 令整體工序更安全 更是人手焊接的兩倍



是次的成功不僅是粉嶺繞道東段工程項目 The achievement not only marks an important milestone for the 可對接歐洲標準的「團體標準」累積了寶 high strength structural steel, accumulating valuable and pr



土木工程拓展署署長方學誠太平紳士聯同路政署、 香港建築科技研究院、建造業議會、香港理工大學 國家鋼結構工程技術研究中心香港分中心、香港工 程師學會、香港公路學會等業界代表,一同見證四

vitnessed the successful erection of the quadruple n circular footbridge deck.

跨部門高效協作 運送S960大型天橋模組

窄路段,把模組運抵工地。

模組從江蘇廠房運送到香港後,由屯門 出發,途經元朗、上水、粉嶺等多條主 要幹道,沿途34公里每晚均有其他工程 作出嚴謹精密的部署,與運輸署 及審批流程,順利將40件模組分12個晚 上安全送抵工地。

Effective Interdepartmental Collaboration for Transport of Oversized Bridge Modules

為減少行人橋面的現場焊接工作量,工 To effectively reduce the on-site welding works for the footbridge deck, the 程團隊策略性地將53個闊度4.5米以內的 project team strategically pre-assembled 53 modules, each within a width of 模組,預先於廠房內拼成40個達7.8米闊 4.5 metres, into 40 large modules measuring 7.8 metres in width in the 的大型模組。然而,運輸路線的部分路 factory. However, some sections of the transportation route are only with 段卻只有7.3米闊,團隊遂特製支架,將 7.3 metres width. Hence, the project team custom-designed supporting 模組傾斜放置在拖頭車上,成功通過較 frames to fix the modules at an oblique angle on the trailer, successfully transported the oversized modules through the narrower roads to the

Upon arrival from the factory in Jiangsu to Hong Kong, the modules were then departed from Tuen Mun, passing through major routes in Yuen Long, Sheung Shui and Fanling. Since other engineering works were ongoing along the 34-kilometre route every night, the project team must carry out meticulous planning in advance. Apart from prior communication and coordination with the Transport Department, Hong Kong Police Force and 動測繪系統」獲取的地理空間數據,再 other project teams along the route, the project team also made use of the 利用香港大學模塊組合建造實驗室研發 geospatial data obtained by the "Vehicle-based Mobile Mapping System" of the Lands Department and the "3D Swept Path Analysis" technology developed by the Modular Integrated Construction Laboratory (MiCLab) of The University of Hong Kong to streamline the analysis and approval processes, successfully delivering 40 modules safely to the construction site over 12 nights.





全新「古洞北/粉嶺北新發展區」標誌及網站正式亮相

工程團隊聯同豐盛社企學會及菁然社企 The project team, in collaboration with Fullness Social

畫,象徵新發展與傳統社區的融合與延續。



粉北創作 — 社區共融壁畫創作活動 Community Inclusive Mural Painting Programme

(wePaint) 攜手舉辦第二階段「粉北創 Enterprise Society and Natural Direct Co. Ltd (wePaint), 作」活動,邀得超過100位社區成員參與, launched the second phase programme. The event brought 包括長者、特殊學習需要人士以及中小學生, together over 100 community members, including elderly, 共同在粉嶺北社區聯絡中心外牆描繪出多個充 individuals with special educational needs (SEN) as well as 滿地區文化特色的粉嶺地標。在2025年7月,工程團隊特 primary and secondary school students, to jointly depict a 別邀請粉嶺龍躍頭村代表提筆,完成龍躍頭牌樓部分的壁 series of Fanling landmarks which are rich in local character and cultural significance on the exterior wall at Fanling North Community Liaison Centre. Moreover, in July 2025, Villager Representatives from Lung Yeuk Tau were invited to complete the mural segment featuring the Lung Yeuk

Tau Pai Lau, symbolizing the new developments with



au Fai Lau, symbolizing the at a Lau, symbolizing the tiew event highlight via raditional communities.

城市生態攝影入門工作坊

兩場由本地生態課程導師指導的工作坊已分別於2025年7至8月順利 图行。活動中,參加者不僅加深了對古洞北及粉嶺北新發展區工程的 豐驗,提升對生態保育的認識與關注,並體會到城市發展與自然保育 能夠相輔相成、和諧共存。

Urban Ecology Photography Beginners' Workshop

Two workshops guided by local ecology course tutors were held on July and August 2025. During the activities, participants not only deepened their understanding of the engineering developments in Kwu Tung North and Fanling North but also learned how to capture the postures of insects and plants with mobile phones. Through this down-to-earth hands-on experience, all participants enhanced awareness and concern of ecological conservation and recognized the potential for urban development and nature preservation can complement each other and coexist harmoniously.



🧼 卓越表現 Outstanding Performance



新工程合約「Martin Barnes」獎項 2025 — 表揚項目的卓越性及創新|組別亞軍

份嶺繞道東段」工程合約ND/2019/05在2025年度新工程合約「Martin Barnes」獎項頒獎典禮上,榮獲「表揚項目的卓越性及創新」組別亞 軍,以表揚工程團隊有效運用「新工程合約」機制,以夥伴合作方式 推動工程項目及在應用創新科技建造橋樑的卓越表現。

NEC Martin Barnes Awards 2025 - Runner-up in "Project Excellence and Innovation" Category

The project team of Contract No. – ND/2019/05 "Fanling Bypass Eastern Section" received the runner-up award under the "Project Excellence and Innovation" category in the Martin Barnes Awards 2025, in recognition of the project team's excellent performance in project delivery under the framework of NEC Contract and application of innovative technology on bridge construction.



(KTN / FLN NDA)

→ 設計元素

代表的核心理念

Core Belief



Launch of New Logo and Website of "Kwu Tung North / Fanling North New Development Area"

請即瀏覽 https://ktnfln-nda.hk/cht/home 或掃描二維碼

以獲取更多古洞北/粉嶺北新發展區的最新資訊! Please visit https://ktnfln-nda.hk/eng/home or scan the QR code for more latest information on the KTN/ FLN NDA!





→ 雙 [n | 拱形結構

新發展與新協作

Twin "n"-shaped arches

New development and

new collaboration



拱形交疊線條

twin arches

Overlapping lines of the

運聚交通,連繫生活

Connection between

transportation and daily life

/ L 程 小 知 識 Engineering Knowledge

如何有效防治山泥傾瀉?

保道路使用者安全。採用的措施包括:

How to Prevent Landslip Effectively?

在粉嶺公路的道路擴闊工程中,現有的斜坡通過 In the road widening works on Fanling Highway, existing slopes were 挖掘和修整,形成新的斜坡地貌,以容納擴建後 excavated and reshaped to new profiles to accommodate the widened 的道路。工程團隊採用雙管齊下的方法,提升斜 carriageway. The project team adopted a dual approach to enhance 坡的穩定性,並將山泥傾瀉的風險降至最低,確 stability of the slopes, thereby minimizing the risk of landslides and ensure safety of the road users. Adopted measures include:

安裝泥釘: 泥釘一般由鋼筋製成, 安裝後以水泥漿固定於斜坡內, 把土體的拉力轉移到泥釘 上,從而增加斜坡的抗瀉能力。

Soil Nail Installation: Soil nails are typically made of steel and anchored into the slope with cement grout after installation in order to stabilise the soil mass. The soil tension force from the soil mass is transferred to the soil nails, increasing the resistance against landslip.

填土材料更換: 將鬆散或不穩定的填料更換為壓實及穩定的材料, 例如填土、碎石或無砂潤 凝土。此舉可強化斜坡的結構及穩定性,確保公眾安全及周邊基礎設施的長期運作。

Fill Replacement: Loose or unstable fill is replaced with compacted and stable materials, such as compacted fill, rockfill or no-fines concrete. This method enhances the structural integrit of the slope and its stability, ensuring public safety and long-term operation of the surround infrastructures.



查詢詳情,請與古洞北及粉嶺北新發展區辦事處聯絡。 For further information, please contact the Kwu Tung North (KTN) and Fanling North (FLN) New Development Area Office. 古洞北 KTN ☐ 6700 4259 ☑ ktnrp@cedd.gov.hk 粉嶺北 FLN ☐ 6157 4051 ☑ flnrp@cedd.gov.hk

瀏覽古洞北及粉緒北 新發展區新網頁 了解更多最新工程資訊! Visit the NEW WEBPAGE of Kwu Tung North and Fanling North New Developme



合約編號 Contract No.: ND/2019/01 合約編號 Contract No.: ND/2019/03 古洞北及粉嶺北新發展區第一階段 — 發展塱原自然生態公園 古洞北新發展區第一階段 - 地盤平整和基礎設施工程 Kwu Tung North New Development Area, Phase 1: Kwu Tung North and Fanling North New Development Areas, Phase 1: Development of the Long Valley Nature Park Site Formation and Infrastructure Works 塱原自然生態公園內的所有工程已完成,並交予漁農自然護理署管理。 白石凹交匯處建造工程正在進行中。 D4路、D5路及相關建造工程正在進 All works in the Long Valley Nature Park have been completed and handed over to the Agriculture, Fisheries and Construction works at Pak Shek Au 行中。 Interchange are in progress. Conservation Department for management. Construction works at Road D4, Road D5 and associated works are in progress.

Fung Kong

古洞街市購物中心

Kwu Tung Market

Shopping Centre

潢工序,附近路段之單車徑及行人路

The electrical and mechanical services

works as well as builder works of Kwu

Tung North Sewage Pumping Station

are in progress, while the cycle track and

footpath in the vicinity have been

opened to public since January 2025.

合約編號 Contract No.: ND/2019/02

古洞北新發展區第一階段 — 古洞北新發展區至石湖墟的道路和渠務工程

Kwu Tung North New Development Area, Phase 1: Roads and Drains between

Kwu Tung North New Development Area and Shek Wu Hui

沿雙魚河及石上河一帶的渠務工程 古洞北污水泵房現正進行機電及裝

Sewerage works along Sheung Yue 亦已經落成,並於2025年1月開放予

River and Shek Sheung River are in 公眾人士使用。

正在進行中。

※ 擬建古洞港鐵站

粉嶺公路 Fanling Highway

汚水處理廠(上水)

heung Shui Sewage reatment Plant

合約編號 Contract No.: ND/2019/05

粉嶺繞道東段 — 崇謙堂至九龍坑

Fanling Bypass Eastern Section between Shung Him Tong and Kau Lung Hang

近崇謙堂一段的橋樑正進行路面鋪 粉嶺公路旁一帶工地,正進行隔音屏

Pavement laying on bridge deck in Construction of noise barriers and slip

section near Shung Him Tong is in road adjacent to Fanling Highway is in

progress.

Tin Ping Shan

北區運動場 North District

※ 上水港鐵站

North District

Hospital

障及橋樑連接路工程。

MTR Sheung Shui

Sports Ground 石湖新村

Shek Wu San

北區公園

North District Park

馬犀埔

Ma Shi Po

※ 粉嶺港鐵站

MTR Fanling



安裝橋邊護欄。

麻笏圍

崇謙堂

和合石新村

Wo Hop Shel

Ma Wat Wai

Shung Him Tong



Main structure of vehicular bridge deck is \$960超高強度鋼材行人天橋已完成 Construction of the new road connecting

installation on the edges is in progress.



地面道路和行人天橋結構工程。 造工程正在進行中。 substantially completed, parapets 架設。

> footbridge adjacent to Sha Tau Kok Road - Lung Yeuk Tau is in progress. Installa tion of the ultra-high strength S960 steel footbridge has been completed.

行車橋主體結構工程大致完成,正在沙頭角公路龍躍頭一帶工地,正進行連接馬適路與粉嶺繞道的新道路延

古洞北|粉嶺北新發展區

Fanling Bypass and Ma Sik Road is in Construction of at-grade roads and progress.

粉嶺北新發展區第一階段 — 地盤平整及基礎設施工程 Fanling North New Development Area, Phase 1: Site Formation and Infrastructure Works

合約編號 Contract No.: ND/2019/07



Site formation works and construction of 善工程已完成。 noise barriers have been completed

土地平整及隔音屏障工程已完成。 位於馬適路及和泰街交界的道路改

of Ma Sik Road and Wo Tai Street have been completed.

工程熱線 Enquiry Hotline **⑤** 5925 7173





北區臨時農產品批發市場內的所有工程已完成,並交予漁農自然護理署營運。 All works in the reprovisioned North District Temporary Wholesale Market for Agricultural Products have been completed and handed over to Agriculture, Fisheries and Conservation Department for operation.

塘坑東村 Tong Hang





合約編號 Contract No.: ND/2019/06 粉嶺北新發展區第一階段 — 北區臨時農產品批發市場重置工程

Fanling North New Development Area, Phase 1: Reprovisioning of



