

The project is classified as a designated project under Schedule 2 of the Environmental Impact

Assessment (EIA) Ordinance. The EIA report for the project proposed noise enclosure, noise barriers and low noise road surfacing at various locations to mitigate the traffic noise impact of the new roads as defined under the Ordinance. During project gazettal under the Roads (Works, Use & Compensation) Ordinance, there were objections on the ground that the road improvement project would aggravate the existing traffic noise problem at Wan Po Road, which is an existing road as defined under the EIAO. Since the problem was genuine as revealed in a supplementary noise impact assessment, we recommended construction of additional noise barriers at Wan Po Road under this project to mitigate the existing traffic noise problem.

The proposed mitigation measures finally include 120m full enclosure of 10m high along Po Shun Road, 780m cantilever barriers of 5.5m high and 265m vertical barriers of 4m high along various sections of the new and existing roads, and also the low noise road surfacing (Plan 5). These measures can meet the requirements set out in the Technical Memorandum of the EIAO and the EIA report was approved under the Ordinance. The cost of the noise mitigation measures under the project accounts for approximately one-third of the total project cost. Such extensive measures and extra provision along Wan Po Road mentioned above however still could not meet the expectation of the nearby residents, especially during the night time when the background noise level is much lower. Also, unlike schools and offices, the use of indirect mitigation measures in the form of window insulation and air-conditioning to abate traffic noise impact in general is not an acceptable means to the residents.

From the experience of this project, it brings out a point worth noting that the provision and/or retrofitting of direct noise mitigation measures at source may not be a cost effective method to tackle

traffic noise problem, not to mention their visual impacts and financial burdens. Other mitigation measures such as careful planned land uses, siting and screening, setback of buildings and innovative building designs may possibly be a better, more acceptable and less costly means to tackle traffic noise problems.

Implementation Programme

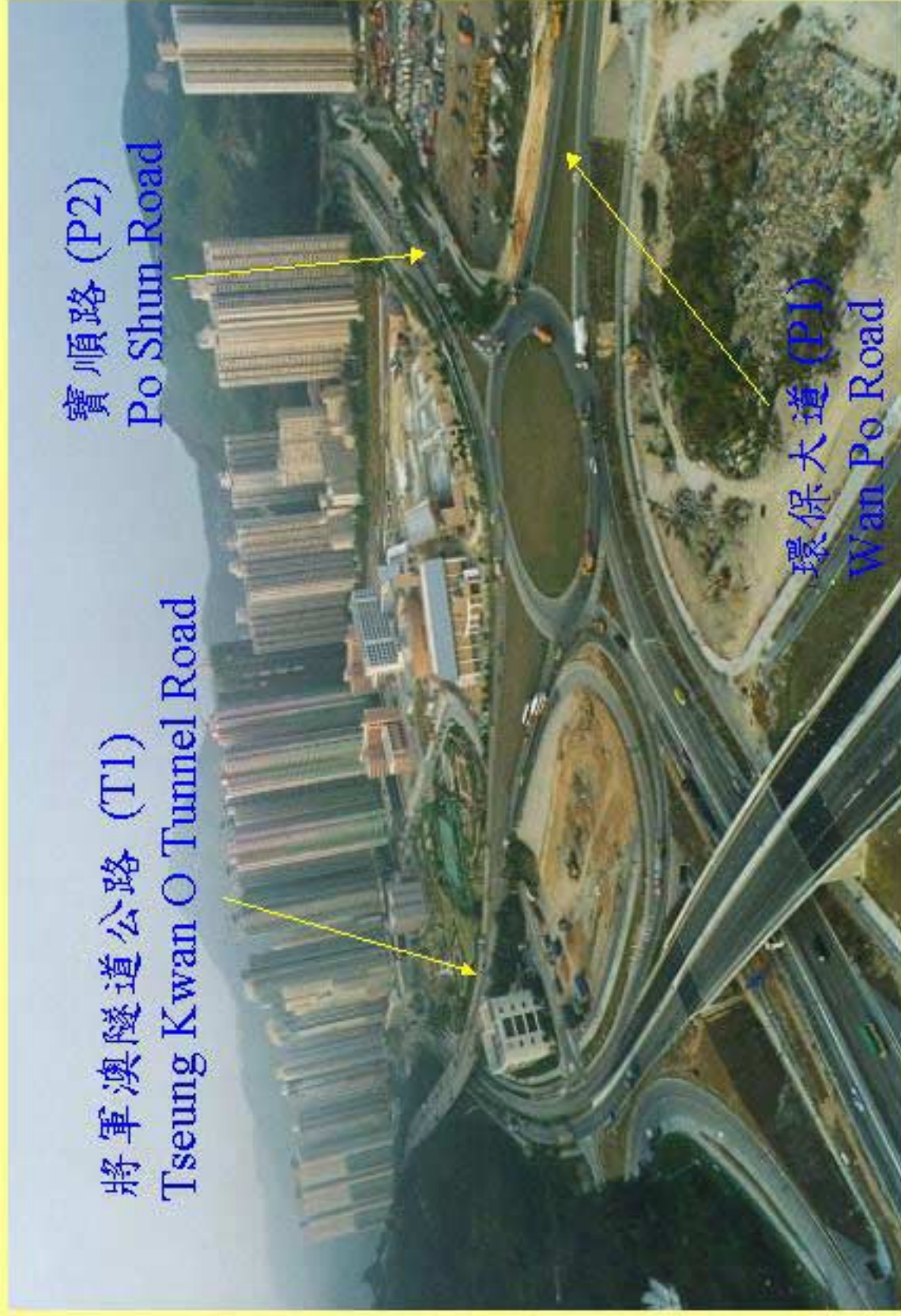
The estimated cost of the project is \$435 million in September 2001 prices. It will be implemented through one single contract, which is scheduled to commence in April/ May 2002 for completion in mid 2005. One of the vehicular bridges and some noise mitigation measures are scheduled for earlier completion to meet the traffic demand and earlier protection to the nearby residents respectively.





現時迴旋處 Existing Roundabout

圖一 Plan 1



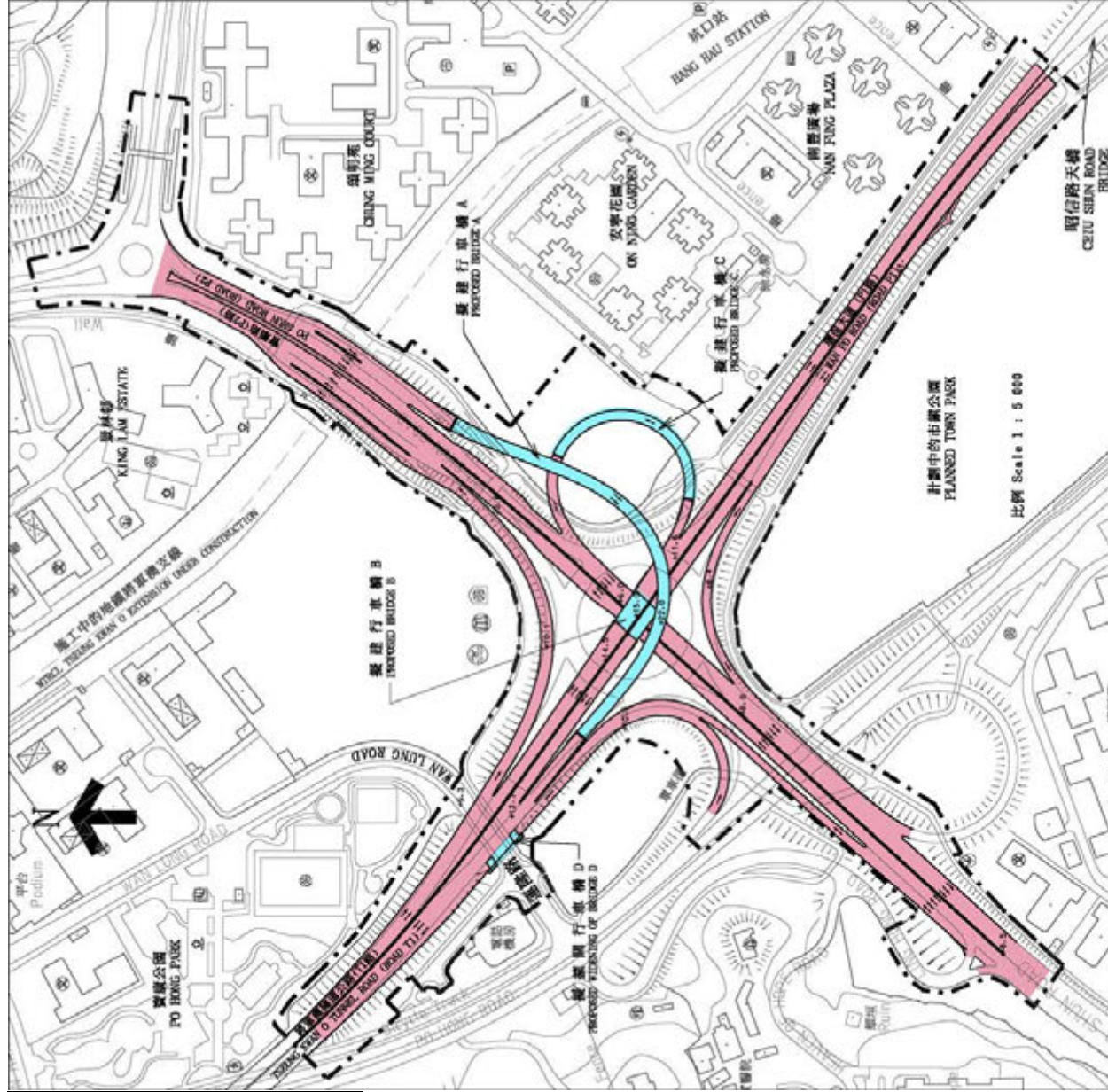
寶順路 (P2)
Po Shun Road

將軍澳隧道公路 (T1)
Tseung Kwan O Tunnel Road

環保大道 (P1)
Wan Po Road

現時迴旋處 Existing Roundabout

圖二 Plan 2



圖例 LEGEND :

- 施工範圍
LIMIT OF WORKS AREA
- 擬建架空道路
PROPOSED ELEVATED CARRIAGEWAY
- 擬建地面道路
PROPOSED AT-GRADE CARRIAGEWAY
- 主水平基準以上的路面水平
ROAD LEVEL IN AFD
- +11.0
- 行車橋及交通方向
TRAFFIC LANE AND TRAFFIC DIRECTION
- 學校
SCHOOL
- 巴士總站
BUS TERMINUS
- 停車場
CAR PARK
- 街市
MARKET
- 運動場
SPORT GROUND
- 電力站
ELECTRIC SUB-STATION
- 小巴站
MINIBUS TERMINUS
- 公園
PARK
- 教堂
CHURCH
- 游泳池
SWIMMING POOL
- 圖書館
LIBRARY
- 室內體育館
INDOOR STADIUM

圖名 Drawing title
將軍澳T1/P1/P2分層道路交匯處
工地平面圖
GRADE-SEPARATED INTERCHANGE T1/P1/P2, TSEUNG KWAN O
SITE PLAN

圖三 Plan 3

比例 scale
As shown
繪圖編號 Drawing no.
TKZ0295

項目編號 ITEM No. 277CL
辦事處 office
新界東拓展處
NT EAST DEVELOPMENT OFFICE
拓展署
TERRITORY DEVELOPMENT
DEPARTMENT



圖例 LEGEND :

- | | |
|---|--|
| <p>施工範圍
LIMIT OF WORKS AREA</p> <p>擬建單車徑
PROPOSED CYCLE TRACK</p> <p>擬建行人/單車隧道
PROPOSED PEDESTRIAN/CYCLE SUBWAY</p> <p>擬建行人路
PROPOSED FOOTPATH</p> <p>擬建綠化地帶
PROPOSED LANDSCAPE AREA</p> <p>現有/擬建斜坡
EXISTING/PROPOSED SLOPE</p> | <p>學校
SCHOOL</p> <p>巴士總站
BUS TERMINUS</p> <p>停車場
CAR PARK</p> <p>街市
MARKET</p> <p>運動場
SPORT GROUND</p> <p>電力站
ELECTRIC SUB-STATION</p> <p>小巴站
MINIBUS TERMINUS</p> <p>公園
PARK</p> <p>教堂
CHURCH</p> <p>游泳池
SWIMMING POOL</p> <p>圖書館
LIBRARY</p> <p>室內體育館
INDOOR STADIUM</p> |
|---|--|

圖則名稱 Drawing title

將車澳T1/P1/P2分層道路交匯處
擬建附屬工程
GRADE-SEPARATED INTERCHANGE T1/P1/P2, TSEUNG KWAN O
PROPOSED ANCILLARY WORKS

圖 四 Plan 4

比例 scale

1 : 5 000

繪圖編號 Drawing no.

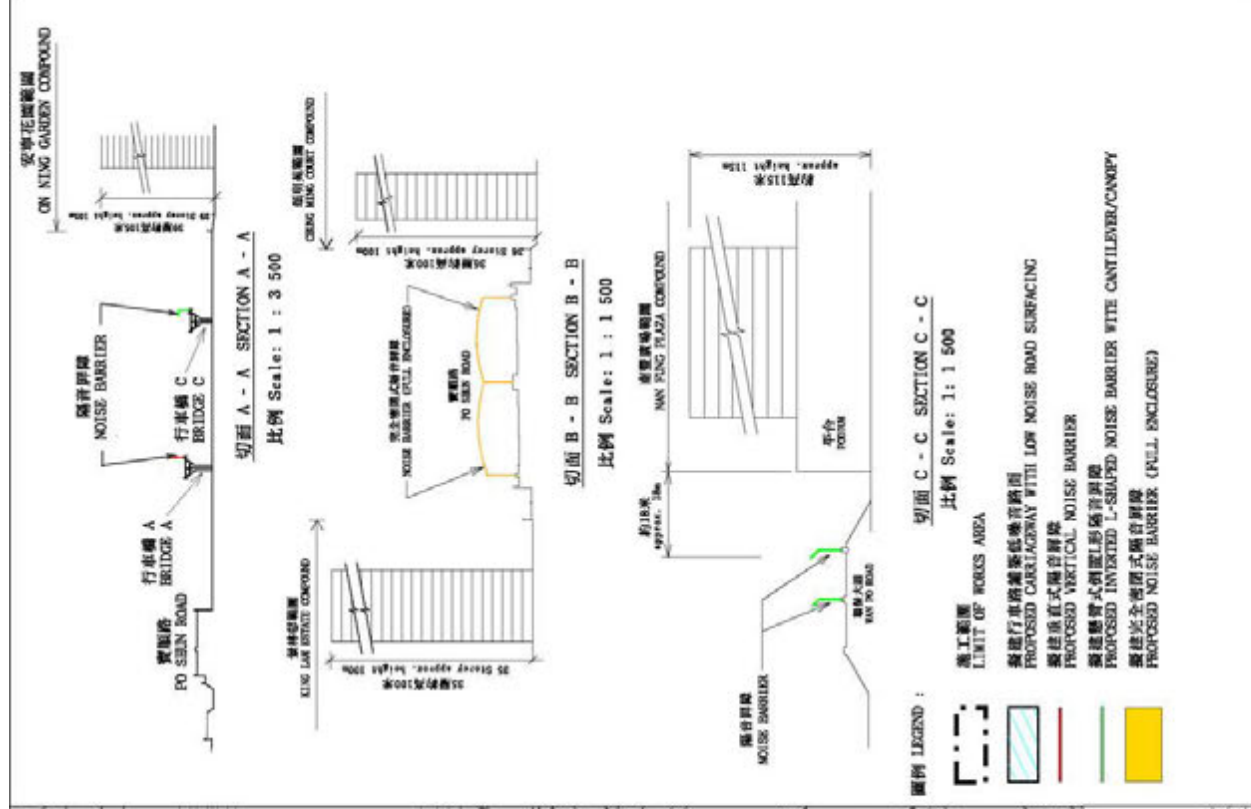
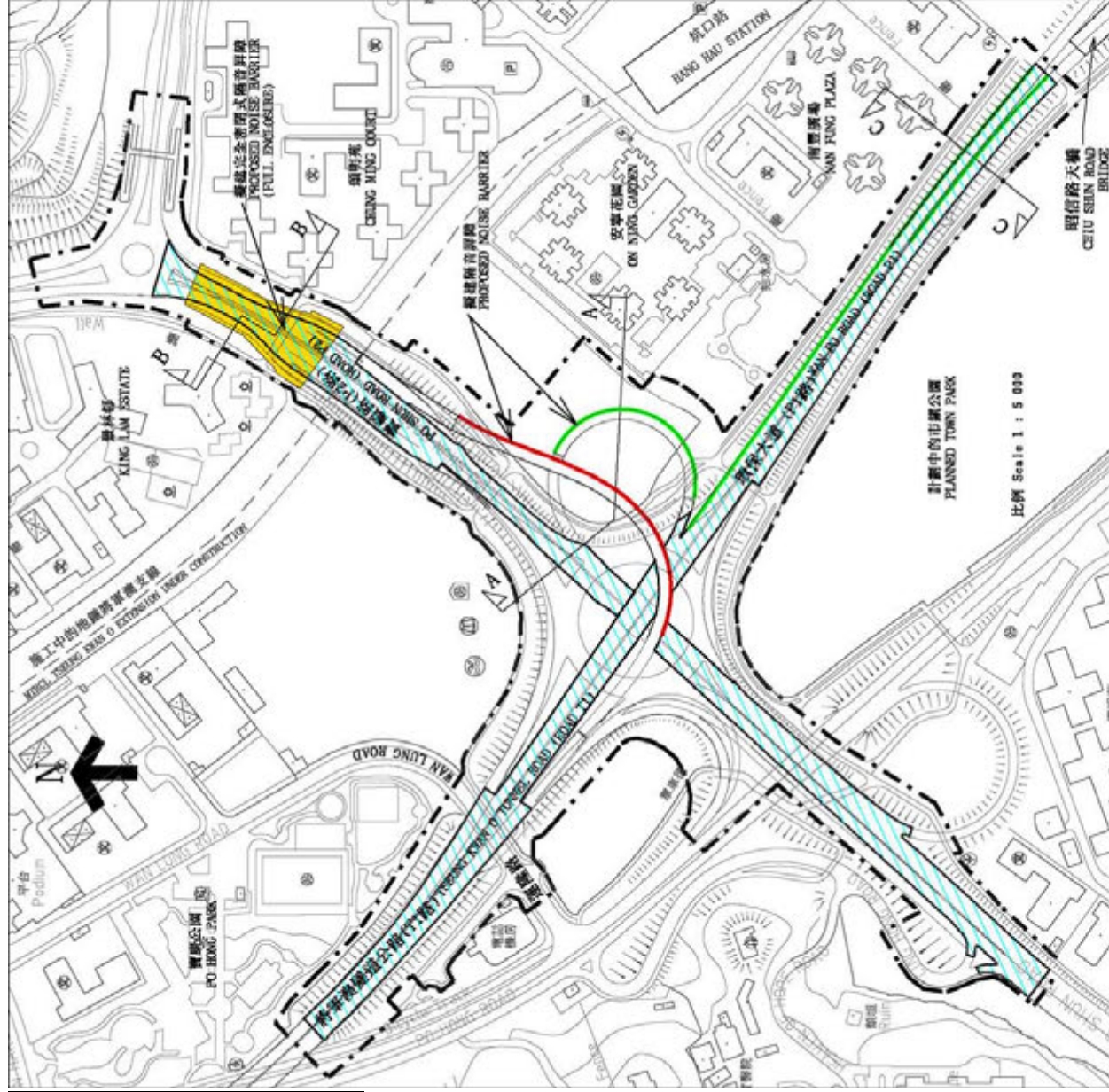
TKZ0297

項目編號 ITEM No. 277CL

辦事處 office

新界東拓展處
NT EAST DEVELOPMENT OFFICE

拓展署
DEPARTMENT OF TERRITORY DEVELOPMENT



將軍澳T1/P1/P2分層道路交匯處
擬建消滅噪音措施
GRADE-SEPARATED INTERCHANGE T1/P1/P2, TSEUNG KWAN O
PROPOSED NOISE MITIGATION MEASURES

圖 5 Plan 5

比例 scale
As shown
繪圖編號 Drawing no.
TKZ0296

項目編號 ITEM No. 277CL
辦事處 office
新界東拓展處
NT EAST DEVELOPMENT OFFICE
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TERRITORY DEVELOPMENT DEPARTMENT