

政府總部
運輸及房屋局
運輸科
香港添馬添美道2號
政府總部東翼



Transport and
Housing Bureau
Government Secretariat

Transport Branch
East Wing, Central Government Offices,
2 Tim Mei Avenue,
Tamar, Hong Kong

電話 Tel. No.: 3509 8181

傳真 Fax No.: 2136 8017

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(Fax No: 2978 7569)

[English Translation]

Legislative Council Secretariat
Legislative Council Complex
1 Legislative Council Road
Central, Hong Kong
(Attn: Ms Sharon Chung)

6 July 2017

Dear Ms Chung,

**Legislative Council Public Works Sub-Committee
Meeting on 24 June 2017**

461TH – Central Kowloon Route – Main Works

Supplementary Information

At the meeting of the Public Works Subcommittee (PWSC) on 24 June 2017, Members requested the Government to provide supplementary information on the captioned project. Our reply is as follows.

(1) Traffic noise impact on the residents of the Prosperous Garden (PG)

2. Based on the traffic noise impact assessment in the Environmental Impact Assessment (EIA) report for the Central Kowloon Route (CKR) approved by the Environmental Protection Department with conditions¹ in July 2013, the maximum traffic noise impact on the PG's residents in 2014/2015 predicted at that time is about 77 dB(A).

¹ The conditions include setting up community liaison groups and incorporating more innovative and greening features for the landscaped decks and ventilation buildings.

3. As indicated in the EIA report for the CKR, the noise level at the PG will be reduced by 10 dB(A) at most and 3 dB(A) on average with the implementation of the noise mitigation measures under the Environmental Permit (EP) of the CKR project. Under the EP of the CKR project, the noise mitigation measures to be implemented along the Gascoigne Road Flyover (GRF) near the PG comprise mainly (i) an about 145 metres (m) long semi-enclosure covering the section of the existing GRF fronting Blocks 1 and 5 of the PG²; (ii) an about 110m long full noise enclosure covering the section of the existing GRF fronting Blocks 2 and 3 of PG; and (iii) an about 200m long full noise enclosure to the east of the semi-enclosure. The general layout plan of the concerned noise mitigation measures is at **Enclosure 1**.

4. With the implementation of the mitigation measures recommended in the EIA report, the CKR project will comply with the statutory requirements in EIA Ordinance (Cap. 499), and the traffic noise impact on the residents of PG will be improved as compared with the scenario without the CKR. Nevertheless, as the residents and Members still strongly request for the additional noise enclosures, and after balancing the various factors and considering the damage to the community in general if the implementation of the CKR project were deferred, the Government now proposes to take forward a compromise scheme under a separate public works project item, comprising mainly (i) converting the 100m long noise enclosure which originally covers only the eastbound traffic lane to cover both bounds, while having a vertical opening on the side fronting Yan Cheung Road farther away from the PG to additionally reduce the traffic noise level of three units (at Block 1), where traffic noise level will already be reduced to not more than 70 dB(A) after the implementation of the mitigation measures under the CKR project, by 1dB(A); and (ii) extending the full noise enclosure fronting Blocks 3 and 4 of the PG northward by 40m to benefit about 50 additional residential units of Blocks 3 and 4 of the PG facing the GRF by reducing the noise level by 1.0 dB(A) or above. The overall layout plan of the above proposed Compromise Scheme is at **Enclosure 2**.

5. The traffic noise levels at the PG under the scenarios of without the CKR (as predicted in the EIA report for the CKR), after the implementation of the noise mitigation measures under the CKR project, and after the implementation of additional measures under the Compromise Scheme, are at **Enclosure 3**.

(2) Implementation Timetable for PWP Item No. 461TH

6. The Highways Department (HyD) intends to carry out the construction of the CKR under nine construction contracts. Subject to the funding approval of the Finance Committee in this legislative year, the tentative implementation programme for each construction contract is as follows –

² The about 145m long semi-enclosure comprises two parts, including (i) a section of semi-enclosure of about 100m long covering mainly the eastbound traffic lane, and (ii) a section of semi-enclosure of about 45m long with both traffic bounds covered leaving about 2m tall vertical openings on the vertical side of the south side of the enclosure fronting Yan Cheung Road and farther away from PG.

CKR Construction Contract	Major Scope of Works	Tentative Start Date	Tentative Completion Date
Ho Man Tin Access Shaft	<ul style="list-style-type: none"> • construction of Ho Man Tin access shaft • conducting horizontal directional coring 	2 nd half of 2017	1 st half of 2019
Yau Ma Tei East	<ul style="list-style-type: none"> • construction of a section of underground tunnel at Kansu Street, Yau Ma Tei (YMT) • construction of YMT temporary access shaft • reconstruction of a section of GRF (Kansu Street Section) and the associated noise mitigation measures • construction of the temporary YMT Public Library cum temporary YMT Jade Hawker Bazaar • reprovisioning of the YMT Methadone Clinic, YMT Dermatology Clinic, and temporary YMT Maternal and Child Health Centre 	2 nd half of 2017	1 st half of 2025
Kai Tak West	<ul style="list-style-type: none"> • construction of an underwater tunnel at Kowloon Bay • construction of a section of underground tunnel at Kowloon City Ferry Pier Public Transport Interchange, Ma Tau Kok • construction of the Ma Tau Wai temporary access shaft • construction of a depressed road at Kai Tak (KT) 	2 nd half of 2017	1 st half of 2025

CKR Construction Contract	Major Scope of Works	Tentative Start Date	Tentative Completion Date
Yau Ma Tei West	<ul style="list-style-type: none"> construction of viaducts, at-grade roads and depressed roads to connect the YMT Interchange and the associated noise mitigation measures, including the YMT landscaped deck 	1 st half of 2018	1 st half of 2025
Kai Tak East	<ul style="list-style-type: none"> construction of viaducts and at-grade roads to connect the KT Interchange and Trunk Road T2 under planning construction of a footbridge across Kai Fuk Road 	2 nd half of 2018	1 st half of 2025
Administration and Ventilation Buildings	<ul style="list-style-type: none"> construction of the administration building construction of the YMT ventilation building construction of the KT ventilation building 	1 st half of 2019	1 st half of 2025
Tunnel Electrical and Mechanical (E&M) Works	<ul style="list-style-type: none"> carrying out the E&M works, including tunnel ventilation system, air purification system and other associated E&M system, etc. installation of a traffic control and surveillance system 	2 nd half of 2019	2 nd half of 2025
Central Tunnel	<ul style="list-style-type: none"> construction of a section of underground tunnel between Shanghai Street of YMT and Ma Tau Wai construction of the Ho Man Tin ventilation building 	2 nd half of 2019	2 nd half of 2025

CKR Construction Contract	Major Scope of Works	Tentative Start Date	Tentative Completion Date
Remaining Works (Note: Part of the works under this remaining works contract can be completed after commissioning of the CKR)	<ul style="list-style-type: none"> • carrying out landscaping works • reprovisioning of Kowloon City Ferry Pier Public Transport Interchange • reprovisioning of the YMT Public Library • reprovisioning of the YMT Jade Hawker Bazaar 	2 nd half of 2021	2 nd half of 2026

(3) Traffic Impact Assessment (TIA) for the CKR project

7. The TIA report completed in 2014 by the consultants of the CKR project is at **Enclosure 4**. As the assessment report contains more than 300 pages, to save paper, we propose to deposit a complete set of the report at the Legislative Council (LegCo) Secretariat for Members' reference. We will also provide an electronic copy to the Secretariat for the provision of hyperlink to Members.

(4) Tree Survey Report

8. The tree survey report for the CKR project is at **Enclosure 5**. As the report contains more than 1 800 pages, to save paper, we propose to deposit a complete set of the report at the LegCo Secretariat for Members' reference. We will also provide an electronic copy to the Secretariat for the provision of hyperlink to Members.

Yours sincerely,

(Jocelyn NG)
for Secretary for Transport and Housing

c.c.

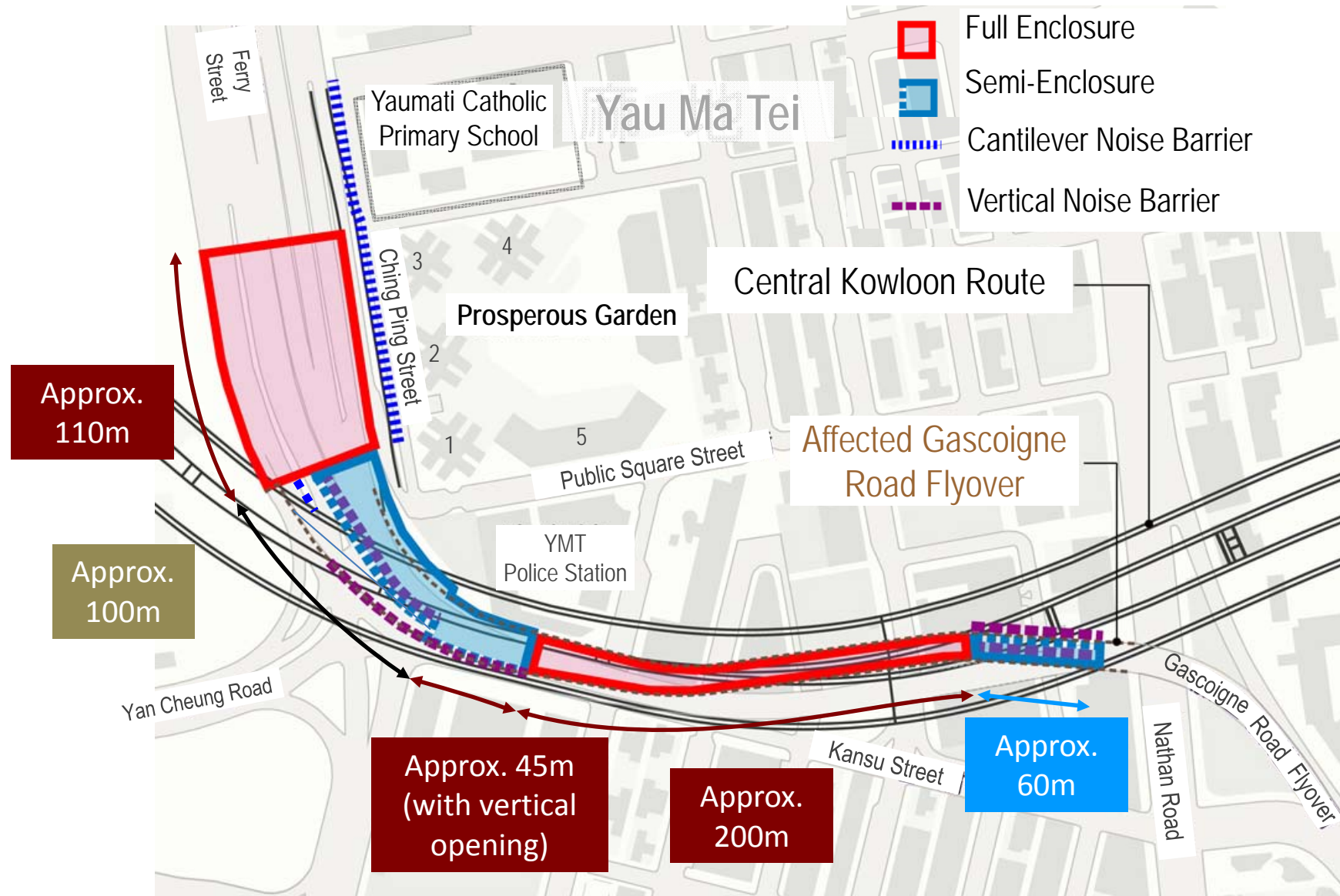
Secretary for Financial Services and the Treasury
(Attn: Ms Margaret HSIA)

Fax No: 2523 5722

Director of Highways
(Attn: Mr Tony LOK)

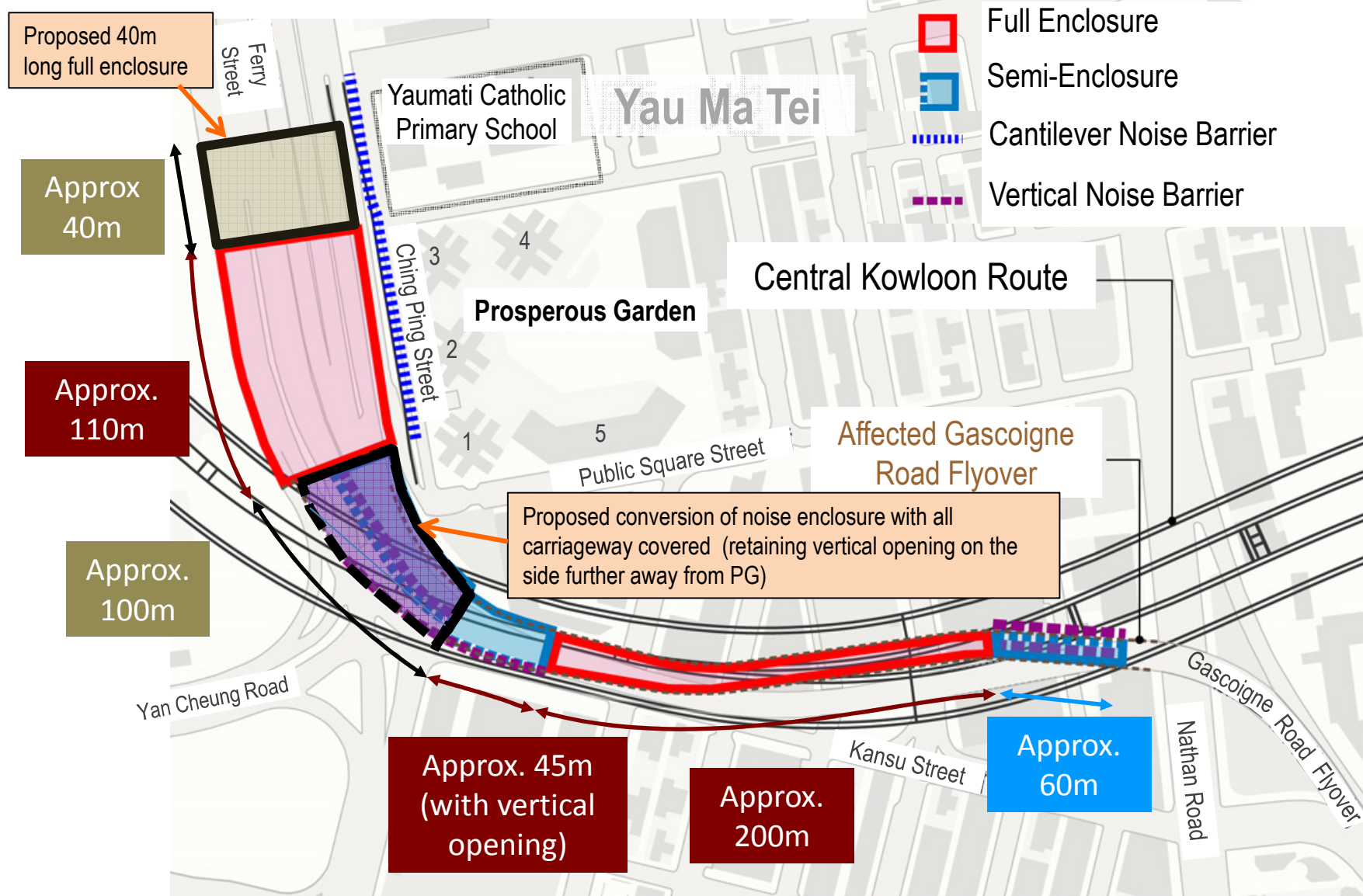
Fax No: 2714 5198

Noise Mitigation Measures under CKR Project under the Environmental Permit (Prosperous Garden)



Proposed Compromise Scheme (under a separate public works project)

Noise Mitigation Measures to be implemented under EP



Remark:

1. The data shown for the scenario of "without CKR" is based on the predictions on the traffic noise impact on the residents of Prosperous Garden in 2014/2015 in the Environmental Impact Assessment (EIA) report. The data shown for the scenarios of "with mitigation measures to be implemented under the environmental permit of the CKR and that with the additional of those under the Compromise Scheme" are based on the predictions for the operational phase of CKR.
2. Since Block 4 is further from the Gascoigne Road Flyover than Block 3, the traffic noise impact on it is lower. As such, the noise level of Block 4 is represented by Block 3 in the EIA report approved by the Environmental Protection Department. We have estimated the noise level of Block 4 when assessing the Compromise Scheme to review the effectiveness of the scheme.

Block 4	Without CKR	With mitigation measures to be implemented under CKR	With mitigation measures to be implemented under CKR and those under the Compromise Scheme
Traffic noise level (dB(A))	See remark 2	See remark 2	58 - 71

Block 3	Without CKR	With mitigation measures to be implemented under CKR	With mitigation measures to be implemented under CKR and those under the Compromise Scheme
Traffic noise level (dB(A))	75 - 77	71 - 74	68 - 72

Block 2	Without CKR	With mitigation measures to be implemented under CKR	With mitigation measures to be implemented under CKR and those under the Compromise Scheme
Traffic noise level (dB(A))	74 - 77	65 - 71	65 - 71

Block 1	Without CKR	With mitigation measures to be implemented under CKR	With mitigation measures to be implemented under CKR and those under the Compromise Scheme
Traffic noise level (dB(A))	74 - 77	64 - 74	64 - 74

Block 5	Without CKR	With mitigation measures to be implemented under CKR	With mitigation measures to be implemented under CKR and those under the Compromise Scheme
Traffic noise level (dB(A))	73 - 74	72 - 73	72 - 73

drawing title

Traffic Noise Level at Prosperous Garden

drawing no. HMW6461TH-SK0960

scale N.T.S.

