ITEM FOR PUBLIC WORKS SUBCOMMITTEE OF FINANCE COMMITTEE

HEAD 707 – NEW TOWNS AND URBAN AREA DEVELOPMENT Civil Engineering – Land development 702CL – Kai Tak development – remaining infrastructure works for developments at the former runway and south apron

Members are invited to recommend to the Finance Committee –

- (a) the upgrading of part of **702CL**, entitled "Kai Tak development infrastructure for developments at the former runway and south apron", to Category A at an estimated cost of \$2,874.7 million in money-of-the-day prices; and
- (b) the retention of the remainder of **702CL** in Category B.

PROBLEM

We need to provide essential infrastructure to serve the commercial and residential developments, government, institution or community (GIC) developments, and other specified uses at the former runway and south apron of Kai Tak Development (KTD).

PROPOSAL

2. The Director of Civil Engineering and Development, with the support of the Secretary for Development, proposes to upgrade part of **702CL** to Category A at an estimated cost of \$2,874.7 million in money-of-the-day (MOD) prices for the construction of essential infrastructure to serve the developments at the former runway and south apron.

PROJECT SCOPE AND NATURE

- 3. The part of **702CL** which we propose to upgrade to Category A (the proposed works) comprises
 - (a) construction of the following items of works located at the former runway
 - (i) a section of dual two-lane Road D3 (Metro Park Section) (MPS) of about 1 130 metres (m) long connecting Road D2 at the former north apron and Road D3A at the former runway, including about 200 m underpass with associated 320 m depressed road, 360 m elevated road and 250 m at grade road;
 - (ii) a single two-lane Road L12d of about 47 m long connecting Road D3A at the former runway;
 - (iii) a salt water pumping station and associated water intake;
 - (iv) a sewage pumping station;
 - (v) landscaped decks of about 380 m long in total with a minimum width of about 11 m above Road D3 (MPS) and landscaped area adjoining Road D3 (MPS) providing a total of about 3.9 hectares of public open space;

- (b) construction of the following items of works located at the former south apron
 - (i) single two-lane roads of about 650 m long in total covering part of Road L10, Road L18 and Road S20;
 - (ii) a landscaped elevated walkway of about 140 m long, connected with the existing footbridge KF64, with associated lifts and a staircase;
- (c) associated footpaths, street lighting, traffic aids, drainage, sewerage, water mains, landscaping, outfalls, modification of seawall, electrical and mechanical works and ancillary works at the former runway and south apron; and
- (d) implementation of environmental mitigation measures and related environmental monitoring and audit (EM&A) works for the works mentioned in paragraphs 3(a) to 3(c) above.

Plans and drawings of artist's impression showing the proposed works are at Enclosure 1.

- 4. Subject to funding approval of the Finance Committee (FC), we plan to commence the proposed works in early 2019 for substantial completion by 2023. To meet the programme, the Civil Engineering and Development Department (CEDD) has invited tenders for the proposed works at the former runway in September 2018 and prequalification of tenderers for the proposed works at the former south apron in August 2018 in order to start the construction works as soon as possible, but the tenders will only be awarded upon obtaining funding approval from the FC.
- 5. We will retain the remainder of **702CL** in Category B, which mainly covers construction of the remaining infrastructure to serve developments at the former south apron. We will seek funding in phases to dovetail with the implementation programme of KTD.

JUSTIFICATION

6. According to the approved Kai Tak Outline Zoning Plan No. S/K22/6, the former runway and south apron are planned for provision of a well-mixed residential, commercial, office and GIC developments. The proposed works as mentioned in paragraph 3 above form part of the essential infrastructure to serve the continued developments at the former runway and south apron of KTD.

Former runway

- 7. At present, the only land access to the former runway and south apron is via Cheung Yip Street at its junction with Hoi Bun Road through a route of single two-lane roads comprising Shing Cheong Road at the former south apron, Kai Tak Bridge and Shing Fung Road at the former runway. The existing traffic route is being realigned and widened to a dual two-lane distributor road under PWP Item **711CL** "Kai Tak development infrastructure works for developments at the southern part of the former runway" for completion in 2019.
- 8. The proposed Road D3 (MPS) will enhance the road network in KTD and will provide a direct traffic route within KTD linking the former runway and south apron, where Kai Tak Cruise Terminal, Hong Kong Children's Hospital and the proposed New Acute Hospital are located, with the former north apron. The proposed Road D3 (MPS) will not only facilitate the transformation of the former runway tip into a vibrant tourism and leisure hub, but also support the progressive completion and population intake of the developments at the former runway. The proposed Road L12d, salt water pumping station and sewage pumping station are required to serve the developments at the former runway and the future Metro Park.
- 9. In order to allow early enjoyment of the public open space adjoining Road D3 (MPS) and to provide quality open space to serve the progressive population intake in the residential developments in KTD, we propose to include the construction of landscaped area to serve as public open space. In addition, the underpass section of Road D3 (MPS) will allow the construction of an at-grade landscaped deck thus providing direct and barrier-free pedestrian access between the waterfront and the future Metro Park and enhancing their connectivity as well.

Former south apron

- 10. The proposed Road L10 will extend Shing Cheong Road and connect to the northern part of the former south apron, and through its connection with the Central Kowloon Route, enable KTD to access this strategic route. The proposed works at the former south apron will also provide essential infrastructure to the planned developments including the proposed New Acute Hospital, the commercial and the GIC developments.
- 11. We also need to construct a landscaped elevated walkway to serve as a pedestrian linkage between the former south apron and the Kowloon Bay hinterland. This proposed walkway will connect to the existing footbridge KF64 at Kowloon Bay and allow connections from the future New Acute Hospital and the adjacent commercial uses / developments in KTD, providing a barrier-free access from the hinterland to these developments along the waterfront.

FINANCIAL IMPLICATIONS

12. We estimate the cost of the proposed works to be \$2,874.7 million in MOD prices, broken down as follows –

		\$ million (in MOD prices)		
(a)	Road works	1,318.6		
(b)	Landscaped elevated walkway	193.0		
(c)	Salt water pumping station	99.4		
(d)	Sewage pumping station	88.8		
(e)	Drainage, sewerage, water mains and ancillary works	224.1		
(f)	Public open space	392.8		
(g)	Landscaping works	12.8		
(h)	Environmental mitigation measures and EM&A programme	23.3		
(i)	Consultants' fees for (i) contract administration	25.9 12.4		

	\$ million (in MOD prices)		
management of resident site staff (RSS)	10.9		
independent environmental checker services ¹	2.6		
uneration of RSS	235.7		
ingencies	260.3		
Total	2,874.7		
	site staff (RSS) independent environmental checker services ¹ uneration of RSS ingencies		

13. The CEDD proposes to engage consultants to undertake contract administration and site supervision of the proposed works. A breakdown of the estimated consultants' fees and RSS costs by man-months is at Enclosure 2.

14. Subject to funding approval, we plan to phase the expenditure as follows –

Year	\$ million (MOD)
2018 – 2019	10.5
2019 – 2020	227.7
2020 - 2021	313.5
2021 – 2022	514.9
2022 - 2023	666.7
2023 – 2024	606.6
2024 - 2025	325.9

/Year

As part of the EM&A programme for the proposed works, we will commission consultants to provide independent environmental checker services to review and audit the environmental monitoring works and results for the proposed works.

Year	\$ million (MOD)
2025 – 2026	160.6
2026 – 2027	48.3
	2,874.7

- 15. We have derived the MOD estimates on the basis of the Government's latest set of assumptions on the trend rate of change in the prices of public sector building and construction output for the period from 2018 to 2027. We will deliver the proposed works under two separate contracts². Both contracts will provide for price adjustment.
- 16. We estimate the annual recurrent expenditure arising from the proposed works to be about \$35.1 million.

PUBLIC CONSULTATION

17. We consulted the Kowloon City District Council (KCDC), the Wong Tai Sin District Council (WTSDC), the Kwun Tong District Council (KTDC) and the Harbourfront Commission as follows –

/(a)

For the proposed works at the former runway, we will adopt a design and build contract approach which will allow flexibility for contractors to team up with experts and compete for aesthetic and cost-effective design and construction of the proposed works at the former runway. For the proposed works at the former south apron, to avoid complicated interfacing issues with the proposed works under another PWP Item No. **785TH** "Trunk Road T2 and Cha Kwo Ling Tunnel Section" arising from the congested works sites in the area, we will include the proposed works at the former south apron and those under **785TH** under one contract, which will also adopt a design and build approach.

(a) Proposed works at the former runway

We consulted the Housing and Infrastructure Committee (HIC) of the KCDC on 4 May 2017 and 4 December 2017 (by circulation), the Leisure and District Facilities Management Committee of KCDC on 17 May 2018, the Traffic and Transport Committee (T&TC) of the WTSDC on 6 June 2017 and 30 November 2017 (by circulation), the T&TC of the KTDC on 6 June 2017 and 28 November 2017 (by circulation) and the Task Force on Kai Tak Harbourfront Development (KTTF) of the Harbourfront Commission on 7 June 2017, 1 December 2017 (by circulation) and 29 March 2018.

(b) Proposed works at the former south apron

We consulted the HIC of the KCDC on 4 May 2017, the T&TC of the WTSDC on 6 June 2017, the T&TC of the KTDC on 6 June 2017, and the KTTF of the Harbourfront Commission on 7 June 2017.

Members of the three District Councils and the KTTF of the Harbourfront Commission had no objection to the proposed works.

18. We gazetted the proposed road scheme for the Road D3 (MPS) at the former runway under the Roads (Works, Use and Compensation) Ordinance (Cap. 370) on 21 and 28 July 2017 and received one objection. The objector objected to the alignment of the proposed Road D3 (MPS) being too close to the waterfront of the former runway. The objector said that this would limit the waterfront space available for the development of water sports supporting facilities and proposed to realign Road D3 (MPS) to the middle of the former runway to allow such accommodation. We examined the objector's proposal and considered that the gazetted alignment of Road D3 (MPS) would not limit the development potential of water sports and associated supporting facilities. Moreover, the objector's suggested realignment of Road D3 (MPS) to the middle of the former runway will bisect the future Metro Park and will affect its development potential. The Chief Executive-in-Council authorised the proposed road scheme without modification. The authorisation was gazetted on 25 May 2018.

- 19. We gazetted the proposed modification of seawall and sewerage scheme for those parts of the proposed works at the former runway respectively under the Foreshore and Sea-bed (Reclamations) Ordinance (Cap. 127) and under the Roads (Works, Use and Compensation) Ordinance (Cap. 370) as applied by section 26 of the Water Pollution Control (Sewerage) Regulation (Cap. 358AL) on 15 December 2017, and received no objection. The proposed modifications of seawall and sewerage scheme were authorised on 16 March 2018 and 25 May 2018 respectively.
- 20. We also gazetted the road scheme and sewerage scheme for the proposed works at the former south apron area respectively under the Roads (Works, Use and Compensation) Ordinance (Cap. 370) and under the Roads (Works, Use and Compensation) Ordinance (Cap. 370) as applied by section 26 of the Water Pollution Control (Sewerage) Regulation (Cap. 358AL) on 18 August 2017, and received no objection. The road scheme and sewerage scheme were authorised on 24 November 2017.
- 21. We consulted the Legislative Council Panel on Development on 26 June 2018. Members generally supported the proposed works.

ENVIRONMENTAL IMPLICATIONS

22. The proposed Road D3 (MPS) is a designated project under Schedule 2 of the Environmental Impact Assessment (EIA) Ordinance (Cap. 499), whilst the other proposed works (which include the proposed infrastructure works at the former runway and the former south apron) are not. The proposed Road D3 (MPS) is covered under Schedule 3 EIA report for the KTD and Schedule 2 EIA report for the KTD – Roads D3A & D4A, which were approved under the EIA Ordinance on 4 March 2009 and 3 May 2013 respectively. infrastructure works at the former south apron are also covered in the approved Schedule 3 EIA report for the KTD. The approved EIA reports concluded that the proposed Road D3 (MPS) and the proposed infrastructure works at the former south apron would not cause long-term adverse environmental impact with implementation of the recommended mitigation measures. The CEDD has obtained Environmental Permits (EPs) on 23 April 2009 and 3 May 2013 for the construction and operation of the proposed Road D3 (MPS). We will implement the environmental mitigation measures recommended in the approved EIA reports and comply with the conditions of the EPs.

- 23. The proposed infrastructure works at the former runway other than Road D3 (MPS), including Road L12d, a salt water pumping station and a sewage pumping station, are not designated projects under the EIA Ordinance. The CEDD has completed an Environmental Review (ER) which concluded that the said proposed infrastructure works at the former runway will not cause long-term adverse environmental impact with implementation of the recommended mitigation measures. We will implement the environmental mitigation measures recommended in the ER to control the environmental impacts arising from the proposed infrastructure works to within established standards and guidelines.
- 24. For short-term environmental impacts caused by the proposed works during construction, we will incorporate requirements into the relevant works contracts to require the contractors to implement environmental mitigation measures. These mitigation measures mainly include use of quieter equipment and moveable noise barriers or enclosures to minimise the construction noise impact, regular watering of the works sites and provision of wheel-washing facilities to minimise dust generation, and use of temporary drains to discharge surface run-off of sites. We have included the cost of these measures in the overall project estimate.
- 25. At the planning and design stages, we have considered the alignment, design level and construction method of the proposed works to reduce the generation of construction waste where possible. In addition, we will require the contractors to reuse inert construction waste (e.g. excavated soil and rock fill) on site or in other suitable construction sites as far as possible, in order to minimise the disposal of inert construction waste at public fill reception facilities³. We will encourage the contractors to maximise the use of recycled or recyclable inert construction waste and the use of non-timber formwork to further reduce the generation of construction waste.
- At the construction stage, we will require the contractors to submit for approval their plans setting out the waste management measures, which will include appropriate mitigation means to avoid, reduce, reuse and recycle inert construction waste. We will ensure that the day-to-day operations on site comply with the approved plans. We will require the contractors to separate the inert portion from non-inert construction waste on site for disposal at appropriate facilities. We will control the disposal of inert and non-inert construction waste at public fill reception facilities and landfills respectively through a trip-ticket system.

/27.

Public fill reception facilities are specified in Schedule 4 of the Waste Disposal (Charges for Disposal of Construction Waste) Regulation (Cap. 354N). Disposal of inert construction waste in public fill reception facilities requires a licence issued by the Director of Civil Engineering and Development.

We estimate that the proposed works will generate in total about 0.68 million tonnes of construction waste. Of this, we will reuse about 0.29 million tonnes (43%) of the inert construction waste on site and deliver about 0.36 million tonnes (53%) of inert construction waste to public fill reception facilities for subsequent reuse. We will dispose of the remaining 0.03 million tonnes (4%) of non-inert construction waste at landfills. The total cost for disposal of construction waste at public fill reception facilities and landfill sites is estimated to be about \$31.6 million for the proposed works (based on a unit charge rate of \$71 per tonne for disposal at public fill reception facilities and \$200 per tonne at landfills as stipulated in the Waste Disposal (Charges for Disposal of Construction Waste) Regulation (Cap. 354N)).

HERITAGE IMPLICATIONS

28. The proposed works will not affect any heritage site, i.e. all declared monuments, proposed monuments, graded historic sites/buildings, sites of archaeological interest and government historic sites identified by the Antiquities and Monuments Office.

TRAFFIC IMPLICATIONS

- 29. We have completed traffic impact assessments (TIAs) for the proposed works. The TIAs concluded that the proposed works will not cause any significant traffic impact to surrounding areas. To minimise disturbance to the traffic flow during the construction of the proposed works, we will maintain the existing number of traffic lanes along the affected roads as far as practicable.
- 30. During construction, we will establish Traffic Management Liaison Groups and closely liaise with the Transport Department, the Hong Kong Police Force and other stakeholders to discuss, scrutinise and review the proposed temporary traffic arrangements with a view to minimising the traffic impacts arising from the proposed works.

LAND ACQUISITION

31. The proposed works do not require any land acquisition.

BACKGROUND INFORMATION

- We upgraded **702CL** to Category B in September 2008.
- 33. On 22 May 2009, the FC approved upgrading of part of **702CL** to Category A as **740CL** "Kai Tak development detailed design and site investigation for remaining infrastructure works for developments at the former runway" at an approved project estimate of \$32.0 million in MOD prices for engaging consultants to undertake the site investigation and design for the remaining infrastructure works at the former runway and south apron. The design of the proposed works has been finalised.
- 34. At the Public Works Subcommittee (PWSC) meeting on 31 October 2001, some Members suggested and the Government agreed to include information on the scope, approved project estimates and progress of all the KTD (formerly known as South East Kowloon development) Public Works Programme items in future PWSC submissions relating to KTD. The information is at Enclosure 3.
- 35. Of the 411 trees within the boundary of the proposed works, 120 trees will be preserved. The proposed works will require removal of 291 trees and no tree is to be transplanted. All trees to be removed are not important trees⁴. We will incorporate planting proposals as part of the proposed works, including an estimated quantity of 317 trees.
- 36. We estimate that the proposed works will create about 540 jobs (430 for labourers and another 110 for professional or technical staff), providing a total employment of 28 600 man-months.

Development Bureau October 2018

⁴ "Important trees" refer to trees in the Register of Old and Valuable Trees, or any other trees that meet one or more of the following criteria –

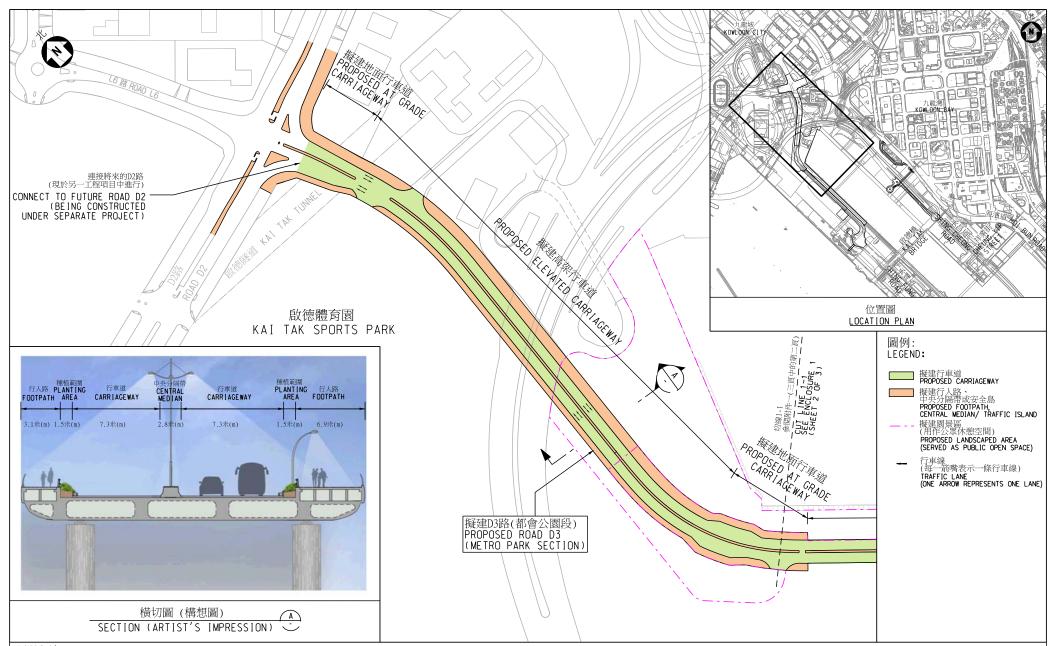
⁽a) trees of 100 years old or above;

⁽b) trees of cultural, historical or memorable significance, e.g. Fung Shui trees, trees as landmark of monastery or heritage monument, and trees in memory of an important person or event;

⁽c) trees of precious or rare species;

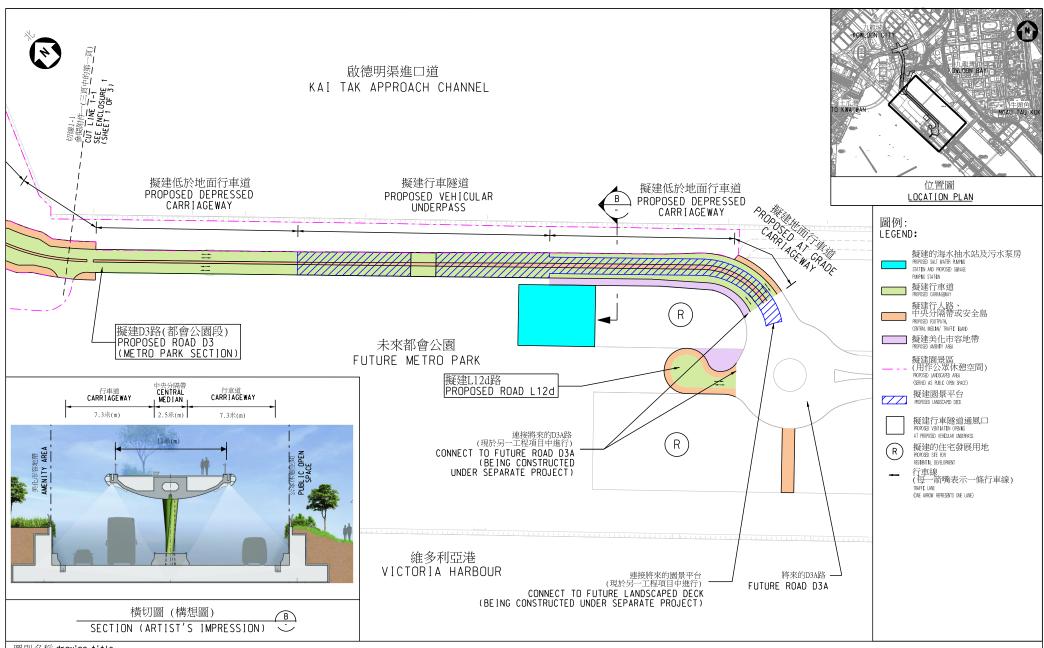
⁽d) trees of outstanding form (taking account of the overall tree sizes, shape and any special features), e.g. trees with curtain like aerial roots, trees growing in unusual habitat; or

⁽e) trees with a trunk diameter equal to or exceeding 1.0 m (measured at 1.3 m above ground level), or with a height or canopy spread equal to or exceeding 25 m.



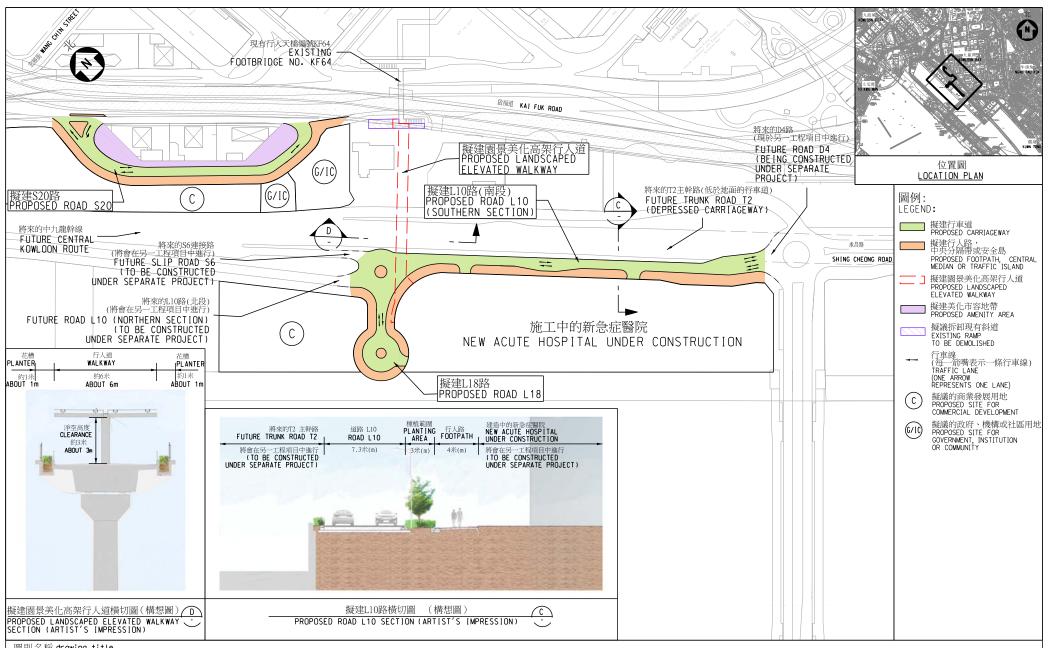
圖則名稱 drawing title

工務計劃第702CL號-啟德發展計劃-前跑道的基礎設施 PWP ITEM NO. 702CL - KAI TAK DEVELOPMENT - INFRASTRUCTURE AT THE FORMER RUNWAY



圖則名稱 drawing title

工務計劃第702CL號 - 啟德發展計劃 - 前跑道的基礎設施 PWP ITEM NO. 702CL - KAI TAK DEVELOPMENT - INFRASTRUCTURE AT THE FORMER RUNWAY



圖則名稱 drawing title

工務計劃第702CL號 - 啟德發展計劃 - 前南面停機坪的基礎設施 PWP ITEM NO. 702CL - KAI TAK DEVELOPMENT - INFRASTRUCTURE AT THE FORMER SOUTH APRON

702CL(Part) – Kai Tak development – infrastructure for developments at the former runway and south apron

Breakdown of the estimates for consultants' fees and resident site staff costs (in September 2018 prices)

				Estimated man-months	Average MPS* salary point	Multiplier (Note 1)	Estimated fee (\$million)
(a)		nts' fees for contract ration (Note 2)	Professional Technical	-	- -	-	7.3 3.0
						Sub-total	10.3#
(b)	(b) Resident site staff (RSS) costs (Note 3)		Professional	774	38	1.6	101.5
(0)			Technical	2 232	14	1.6	102.6
						Sub-total	204.1
	Compris	ing –					
	· /	Consultants' fees for nanagement of RSS					9.1#
	` /	Remuneration of					195.0#
(c)	Independ	lent environmental	Professional	5	38	2.0	0.8
	checker s	service (Note 3)	Technical	24	14	2.0	1.4
						Sub-total	2.2#
						Total	216.6

^{*} MPS = Master Pay Scale

Notes

- 1. A multiplier of 2.0 is applied to the average MPS point to arrive at the full staff costs including the consultant's overheads and profit as the staff will be employed in the consultants' offices. A multiplier of 1.6 is applied to the average MPS point to arrive at the cost of RSS supplied by the consultants (as at now, MPS point 38 = \$81,975 per month and MPS point 14 = \$28,725 per month).
- 2. The consultants' fees for contract administration are estimated in accordance with two existing consultancy agreements relating to the project. The construction phase of the assignments will only be executed subject to Finance Committee's approval to upgrade part of **702CL** to Category A.

3. The actual man-months and actual costs will only be known after completion of the construction works.

Remarks

The cost figures in this Enclosure are shown in constant prices to correlate with the MPS salary point of the same year. The figures marked with # are shown in money-of-the-day prices in paragraph 12 of the paper.

Kai Tak Development List of Public Works Programme (PWP) Items in Category A

(Note: For details on the project scope of the PWP items listed below, please refer to the corresponding PWSC papers.)

PWP item no.: 440CL

Project title: South East Kowloon development -

comprehensive feasibility study

Date of upgrading to

Category A: April 1995

Approved project

estimate: \$220 million

Project scope: The project comprises a comprehensive feasibility

study for the whole South East Kowloon area, as well as associated laboratory testing and site investigation

works.

Brief account of

progress:

(a) The feasibility study was completed in

December 2003.

(b) The project account has been finalised at the

sum of \$185.2 million.

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PWP item no.: 494CL (part upgrade from 469CL)

Project title: South East Kowloon development at Kai Tak Airport

– decontamination and site preparation

Date of upgrading to

Category A: February 1998

Approved project

estimate: \$316.9 million

Project scope: Ground decontamination, demolition of existing

buildings and structures and site preparation at the

north apron of Kai Tak Airport.

- (a) The civil engineering works and the post-decontamination monitoring works were completed in April 2002 and December 2003 respectively.
- (b) The project account has been finalised at the sum of \$281.8 million.

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PWP item no.: **694CL** (part upgrade from **469CL**)

Project title: South East Kowloon development at Kai Tak Airport

– consultants' fees and site investigation

Date of upgrading to

Category A: November 2001

Approved project estimate:

\$115.9 million

Project scope: Site investigation works and detailed design for

6 kilometres (km) drainage box culverts, five sewage pumping stations, flyovers, roads, sewerage, drainage and demolition of the passenger terminal building for the planned developments in the north apron area of Kei Tale Airport

Kai Tak Airport.

Brief account of progress:

- (a) Consultancy started in January 2002.
- (b) Detailed design for demolition of the passenger terminal building and associated structures has been completed.
- (c) Detailed design of the stages 1, 2, 3A, 3B, 4 and 5A infrastructure works and the reconstruction and upgrading of Kai Tak Nullah at the north apron has been completed.
- (d) Detailed design of the remaining infrastructure works at the north apron is in progress.

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PWP item no.: **693CL** (part upgrade from **465CL**)

Project title: South East Kowloon development – consultants' fees

and site investigation for Kai Tak Approach Channel

(KTAC) reclamation

Date of upgrading to

Category A: November 2001

Approved project

estimate: \$63.8 million

Project scope: Site investigation works and detailed design for

treatment of contaminated sediments and reclamation of KTAC, drainage and demolition of the existing

airport taxiway bridge in KTAC.

Brief account of progress:

(a) Consultancy started in January 2002.

(b) In the light of the Court of Final Appeal (CFA)'s ruling on harbour reclamation under the Protection of the Harbour Ordinance (Cap.

531), the consultancy had been suspended since December 2003 and was terminated in July

2006.

(c) The project account has been finalised at the

sum of \$50.2 million.

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PWP item no.: **699CL** (part upgrade from **482CL**)

Project title: South East Kowloon development - consultants'

fees and site investigation for Kowloon Bay

reclamation and engineering works

Date of upgrading to

Category A: July 2002

Approved project

estimate: \$105.7 million

Project scope: Site investigation works and detailed design for

treatment of contaminated sediments and reclamation of Kowloon Bay, marine structures and facilities,

roads, drainage and sewerage works.

- (a) Consultancy started in December 2002.
- (b) In the light of CFA's ruling on harbour reclamation under the Protection of the Harbour Ordinance (Cap. 531), the consultancy had been suspended since December 2003 and was terminated in July 2006.
- (c) The project account has been finalised at the sum of \$6.1 million.

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PWP item no.: **708CL** (part upgrade from **469CL**)

Project title: South East Kowloon development – site preparation

and drainage works at north apron area of Kai Tak

Airport

Date of upgrading to

Category A: February 2004

Approved project

estimate: \$131.6 million

Project scope: Construction of a twin-cell box culvert of about

600 m long, decommissioning of an existing culvert, demolition of the passenger terminal building and car-parking building at north apron area of Kai Tak

Airport.

Brief account of progress:

(a) Works contract commenced in April 2004 and

was completed in September 2006.

(b) The project account has been finalised at the

sum of \$131.3 million.

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PWP item no.: **719CL**

Project title: Kai Tak development – engineering review

Date of upgrading to

Category A: December 2006

Approved project

estimate:

\$87.5 million

Project scope:

A study to confirm the detailed engineering feasibility of the revised Preliminary Outline Development Plan of Kai Tak development, preliminary preparatory work for the early development of the cruise terminal in Kai Tak.

Brief account of progress:

Consultancy commenced in January 2007 and completed in April 2010. The project account has been finalised at the sum of \$76.4 million.

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PWP item no.:

724CL (part upgraded from **711CL**)

Project title:

Kai Tak development – investigation and detailed design for advance infrastructure works for developments at the southern part of the former runway

Date of upgrading to

Category A:

December 2006

Approved project

estimate:

\$38 million

Project scope:

Investigation and detailed design for roads, drainage, sewerage, watermains, relocation and reprovisioning of existing radar facilities for the proposed developments at the southern part of the former runway.

Brief account of progress:

- (a) Consultancy commenced in January 2007.
- (b) Design of the decommissioning and decontamination works at the south apron and relocation and reprovision of Marine Vessel Traffic Services radar was completed.
- (c) Design of the stage 1 advance infrastructure works was completed.
- (d) Design of the remaining infrastructure works was completed.

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PWP item no.: 734CL (part upgraded from 711CL)

Project title: Kai Tak development – decommissioning and

decontamination works at the south apron of the former Kai Tak Airport and installation of supplementary radar at North Point Government

Office (NPGO)

Date of upgrading to

Category A: February 2008

Approved project

estimate: \$120.1 million

Project scope: Decommissioning and decontamination of about

12 600 square metres of land at the south apron of the former Kai Tak Airport, installation of a supplementary radar at NPGO and associated works.

Brief account of progress:

(a) Works contract commenced in May 2008 and was completed in January 2010.

was completed in January 2010.

(b) The project account has been finalised at the

sum of \$82.5 million.

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PWP item no.: **738CL** (part upgraded from **465CL**)

Project title: Kai Tak development – detailed design and site

investigation for Kai Tak Approach Channel and

Kwun Tong typhoon shelter improvement works.

Date of upgrading to

Category A: May 2009

Approved project

estimate: \$50 million

Project scope: Site investigation works, environmental mitigation

trial and monitoring, and detailed design for treatment of the contaminated sediments, forming of a 600 m opening at the former runway with a piled deck on the

top and associated works.

- (a) Consultancy commenced in August 2009.
- (b) Detailed design of Phase 1 works has been completed.
- (c) Design of Phase 2 works (IP Scheme) has been substantially completed.

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PWP item no.: 740CL (part upgraded from 702CL)

Project title: Kai Tak development – detailed design and site

investigation for remaining infrastructure works for

developments at the former runway

Date of upgrading to

Category A: May 2009

Approved project

estimate: \$32 million

Project scope: Site investigation works and detailed design for a

road including a piled deck on the former runway; roads, footbridges, drainage, sewerage and water

mains in south apron; and associated works.

Brief account of

progress:

Consultancy commenced in July 2009. Design of Road D3 (Metro Park Section) and its associated

works were completed. Detailed design of the remaining infrastructure works is in progress.

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PWP item no.: 739CL (part upgraded from 469CL)

Project title: Kai Tak development – stage 1 infrastructure works

at north apron area of Kai Tak Airport

Date of upgrading to

Category A: May 2009

Approved project

estimate:

\$566.5 million

Project scope:

Construction of about 2.6 km of new roads and other roadworks within the north apron area; two footbridges, two drainage box culverts, improvement to three existing subways across Prince Edward Road East, drainage, sewerage, water mains and associated works.

Brief account of progress:

- (a) Works commenced in July 2009 and were completed in December 2013.
- (b) Project finalisation is in progress.

* *

PWP item no.: 741CL (part upgraded from 711CL)

Project title: Kai Tak development – stage 1 advance infrastructure

works for developments at the southern part of the

former runway

Date of upgrading to

Category A:

May 2009

Approved project

estimate:

\$539.6 million

Project scope: Construction of about 1.8 km carriageway, a fireboat

berth cum landing steps, drainage, a sewage pumping station, sewerage, water mains and associated works for developments at the southern part of the former

runway.

Brief account of progress:

(a) Works contract commenced in September 2009 and was completed in December 2013.

(b) Project finalisation is in progress.

* *

PWP item no.: **841TH** (part upgraded from **785TH**)

Project title: Trunk Road T2 - investigation and design

Date of upgrading to

Category A:

June 2009

Approved project

estimate:

\$133.6 million

Project scope:

Impact assessments on environment, traffic, marine, heritage and other related aspects; detailed design of the works and associated site investigations and supervision for Trunk Road T2.

Brief account of progress:

- (a) Consultancy commenced in July 2009.
- (b) The environmental impact assessment report was approved in September 2013.
- (c) Detailed design was completed.
- (d) Prequalification of tenderers was closed in October 2018.

* *

PWP item no.:

45CG

Project title:

District Cooling System at the Kai Tak Development

Date of upgrading to

Category A:

June 2009

Approved project

estimate:

\$3,905.7 million (approved by the Finance Committee on 29 April 2016) for Phase I, Phase II and Phase III (Package A, B & C) of the project

Project scope:

The scope of the project comprises (a) construction of a northern chiller plant; (b) construction of a southern underground chiller plant cum underground seawater pump house and above-ground operational facilities; (c) laying of seawater intake and discharge pipelines; (d) laying of chilled water distribution pipe networks; and (e) provision of connection facilities at user buildings at Kai Tak Development (KTD).

- Construction for Phase I commenced in (a) February 2011 and was completed in January 2013.
- Construction for Phase II commenced in March (b) 2011 and was completed in September 2014.
- Construction for Phase III (Package A) commenced in July 2013 and was completed in September 2017.
- (d) Construction for Phase III (Package B) commenced in September 2015 for completion by June 2019.
- Construction for Phase III (Package C) (e) commenced in September 2016 for completion by March 2020.

* *

PWP item no.: **736CL**

Project title: Site formation for Kai Tak cruise terminal

development

Date of upgrading to Category A:

November 2009

Approved project

estimate: \$2,303.9 million

Project scope: Construction of about 1.1 km long seawall, piled structures, marine facilities and structures, and

dredging works for Kai Tak Cruise Terminal.

Brief account of progress:

(a) The site formation for Kai Tak cruise terminal development has been completed, with the first berth and the second berth commenced operations in June 2013 and September 2014 respectively. Remaining dredging was also completed in December 2015.

(b) The project account was finalised at the sum of \$1,362.7 M.

* *

PWP item no.: **7GA**

Project title: Cruise terminal building and ancillary facilities for

the Kai Tak cruise terminal development

Date of upgrading to

Category A:

April 2010

Approved project

estimate:

\$5,852.1 million

Project scope: Development of new cruise terminal facilities at the

southern end of the former runway at the Kai Tak development; and provisions of building services to

the apron area.

Brief account of

progress:

(a) Works contract commenced in May 2010 and was

completed in May 2013.

(b) The project account finalisation is in progress.

* * *

PWP item no.: 745CL (part upgraded from 465CL)

Project title: Kai Tak development – Kai Tak approach channel

and Kwun Tong typhoon shelter improvement works

(Phase 1)

Date of upgrading to

Category A: June 2011

Approved project

estimate: \$717.7 million

Project scope: Bioremediation treatment of the contaminated

sediments over an area of about 90 hectares of seabed at KTAC and Kwun Tong typhoon shelter, dredging of seabed at KTAC, and demolition of a disused dolphin and associated improvement works in the

vicinity of To Kwa Wan typhoon shelter.

- (a) Works contract commenced in July 2011 and was completed in July 2014.
- (b) Project finalisation is in progress.

* *

PWP item no.: **746CL** (part upgraded from **469CL**)

Project title: Kai Tak development – stage 2 infrastructure at north

apron area of Kai Tak Airport

Date of upgrading to

Category A: June 2011

Approved project

estimate: \$355.8 million

Project scope: Construction of about 590 m roads, about 2 110 m

footpaths, drainage box culverts, sewage pumping

station and associated works.

Brief account of

progress:

(a) Works contract commenced in July 2011 and was

substantially completed in June 2015.

(b) Project finalisation is in progress.

* *

PWP item no.: 749CL (part upgraded from 711CL)

Project title: Kai Tak development – reprovisioning of radar on top

of the cruise terminal building

Date of upgrading to

Category A: June 2011

Approved project

estimate: \$88.4 million

Project scope: Reprovisioning of a radar and associated signal

processing and relaying equipment and construction of a radome, a radome base support and associated

works.

- (a) The works contract commenced in August 2011 and was completed in June 2013.
- (b) The project account has been finalised at the sum of \$87.7 million.

* *

PWP item no.: 172BF

Project title: Construction of fire station-cum-ambulance facility

at Cheung Yip Street, Kowloon Bay

Date of upgrading to

Category A: July 2011

Approved project

estimate: \$210 million

Project scope: Construction of a new six-storey fire station with

ambulance facility-cum-an urban search and rescue

equipment store in Kowloon Bay.

Brief account of

progress:

(a) Works contract commenced in July 2011 and was

completed in June 2013.

(b) The project account has been finalised.

* *

PWP item no.: **109KA**

Project title: Construction of Trade and Industry Tower in Kai Tak

Development Area

Date of upgrading to

Category A: January 2012

Approved project

estimate: \$2.645.1 million

Project scope: Construction of government offices and ancillary

property management facilities providing a net operational floor area (NOFA) of around 32 400 m²,

and a community hall of about 600 m² in NOFA.

- (a) Works contract commenced in January 2012 and was completed in April 2015.
- (b) The project account finalisation is in progress.

* *

PWP item no.: 443RO (part upgraded from 425RO)

Project title: Runway Park at Kai Tak, Kowloon City District –

Phase 1

Date of upgrading to

Category A: July 2012

Approved project

estimate: \$169.7 million

Project scope: Construction of a 270 m long waterfront promenade

at the runway tip facing Lei Yue Mun and along the waterfront facing Kwun Tong, a large lawn with seating and extensive soft landscape planting, and

ancillary facilities.

Brief account of progress:

(a) Works contract commenced in August 2012 and was completed in April 2014.

(b) The project account has been finalised.

* *

PWP item no.: 439RO

Project title: Kwun Tong promenade (stage 2)

Date of upgrading to

Category A: July 2012

Approved project

estimate: \$250.7 million

Project scope: Construction of a 750 m long waterfront promenade

at the former Kwun Tong Public Cargo Working Area with a boardwalk, and upgrading works for the Kwun

Tong promenade (stage 1), including installation of more lighting, close-circuit television and a public address system.

Brief account of progress:

- (a) Works contract commenced in February 2013 and was completed in December 2014.
- (b) The project account has been finalised.

* *

PWP item no.: **167CD** (part upgraded from **469CL**)

Project title: Kai Tak development – reconstruction and upgrading

of Kai Tak Nullah

Date of upgrading to

Category A: January 2013

Approved project

estimate: \$2,488.2 million

Project scope: Reconstruction and upgrading of Kai Tak Nullah

from Prince Edward Road East to KTAC, construction of two enclosed desilting compounds

with vehicular access and ancillary works.

Brief account of progress:

(a) Works contract commenced in January 2013 and was substantially completed in April 2018.

(b) Project finalisation is in progress.

* *

PWP item no.: **76MM**

Project title: Establishment of the Centre of Excellence in

Paediatrics (Hong Kong Children's Hospital)

Date of upgrading to

Category A: June 2013

Approved project

estimate: \$12,985.5 million

Project scope: Establishment of the Centre of Excellence in

Paediatrics with 468 beds in the south apron of the

Kai Tak development.

Brief account of progress:

(a) Works contract commenced in August 2013 and was completed in September 2017.

(b) The project account finalisation is in progress.

PWP item no.: **761CL** (part upgraded from **469CL**)

Project title: Tak development – stages 3A and 4

infrastructure at north apron area of Kai Tak Airport

Date of upgrading to

Category A: June 2013

Approved project

\$2,255.3 million estimate:

Project scope: Stage 3A –

> Construction of roads, a vehicular underpass, a pedestrian subway, extension of an existing subway, reconstruction of existing roads. associated drainage, sewerage, water mains, roadworks and

other ancillary works.

Stage 4 –

Construction of roads, reconstruction and widening of existing footpaths, two sewage pumping stations, twin rising mains, associated drainage and sewerage

works and other ancillary works.

Brief account of progress:

Works contracts commenced in stages starting from Stage 3A Contract was substantially July 2013. completed in June 2017 whereas Stage 4 works are anticipated be substantially completed to

December 2018.

* * PWP item no.: **349EP**

Project title: A 30-classroom primary school at site 1A-3, Kai Tak

development, Kowloon

Date of upgrading to

Category A: July 2013

Approved project

estimate: \$312.4 million

Project scope: Construction of a 30-classroom primary school at

site 1A-3, Kai Tak development

Brief account of progress:

(a) Works contract commenced in November 2013 and was substantially completed in December

2015.

(b) The project account finalisation is in progress.

* * *

PWP item no.: 350EP

Project title: A 30-classroom primary school at site 1A-4, Kai Tak

development, Kowloon

Date of upgrading to

Category A: July 2013

Approved project

estimate: \$317.5 million

Project scope: Construction of a 30-classroom primary school at

site 1A-4, Kai Tak development

Brief account of

progress:

(a) Works contract commenced in November 2013 and was substantially completed in December

2015.

(b) The project account finalisation is in progress.

* * *

PWP item no.: 287RS (part upgraded from 272RS)

Project title: Kai Tak Multi-purpose Sports Complex –

pre-construction works

Date of upgrading

to Category A: July 2015

Approved project

estimate: \$62.7 million

Project scope: Preparation of technical specifications, cost estimate,

tender documents (including information in ground investigation, utility mapping, topographic and tree surveys) and tender assessment for the main works

Brief account of

progress:

The pre-construction works commenced in phases since December 2015. The ground investigation,

utility mapping, topographic and tree surveys, were

completed.

* * *

PWP item no.: **711CL**

Project title: Kai Tak development – infrastructure works for

developments at the southern part of the former

runway

Date of upgrading

to Category A: July 2015

Approved project

estimate: \$5,757.1 million

Project scope: Construction of roads, an elevated landscaped deck

with lifts and staircases, roadside noise barriers, a supporting underground structure as enabling works to facilitate future construction of Trunk Road T2, improvement to three existing road junctions in Kowloon Bay, associated drainage, sewerage, water mains, roadworks, landscaping and other ancillary

works.

Works contracts commenced in November 2015 for phased completion by 2019.

* *

PWP item no.: **65TR**

Project title: Detailed Feasibility Study for Environmentally

Friendly Linkage System (EFLS) for Kowloon East

Date of upgrading to Category A:

July 2015

Approved project estimate:

\$92.3 million

Project scope:

- (a) evaluation of the most suitable green transport mode(s) for EFLS and formulation of a well-planned integrated multi-modal linkage system to enhance the connectivity of Kowloon East:
- (b) examination of financial viability and environmental acceptability as well as technical feasibility for EFLS;
- (c) examination of the impact of the proposed Kwun Tong Transportation Link on the use of the water body at the Kwun Tong Typhoon Shelter and Kai Tak Approach Channel and formulation of mitigation measures;
- (d) review and examination on the network development for EFLS; and
- (e) assessment on innovative designs, and arrangements for enhancing attractiveness and cost-effectiveness for EFLS.

Brief account of progress:

A 2-month Interim public consultation on the Stage 1 of the Detailed Feasibility Study for EFLS for Kowloon East was completed on 2 July 2017. Comments so received are being consolidated. The second stage of the Detailed Feasibility Study for EFLS for formulation of its alignment, coverage and

implementation programme was in progress. The way forward of the EFLS project would be formulated upon completion of the Detailed Feasibility Study.

* * *

PWP item no.: **797CL (part upgraded from 469CL)**

Project title: Kai Tak development – Stage 3B and 5A

infrastructure works at former north apron area

Date of upgrading

to Category A: May 2016

Approved project

estimate: \$2,152.8 million

Project scope: Stage 3B –

Construction of roads, an elevated landscaped walkway, a pedestrian subway, demolition of an existing flyover, road modification works, associated drainage, sewerage, watermains, landscaping and

other ancillary works.

Stage 5A –

Construction of roads, a pedestrian subway, associated drainage including box culverts, sewerage, watermains, landscaping and other

ancillary works.

Brief account of progress:

Works contracts commenced in stages starting from September 2016 for substantial completion by

phases by end 2020.

* *

PWP item no.: 237LP

Project title: Kowloon East Regional Headquarters and

Operational Base-cum-Ngau Tau Kok Divisional

Police Station

Date of upgrading

to Category A: May 2016

Approved project

estimate: \$3,186 million

Project scope: Demolition of existing vacated Kai Tak Operational

Base (KTOB), construction of an integrated complex and demolition of building and facilities upon

commissioning of the integrated complex

Brief account of

progress:

Construction of the integrated complex commenced

in July 2016 for completion in 2019.

* *

PWP item no.: 271ES

Project title: A 30-classroom secondary school at Site 1A-2, Kai

Tak development

Date of upgrading

to Category A June 2016

Approved project

estimate: \$446.7 million

Project scope: Construction of a 30-classrooms secondary school

and ancillary facilities

Brief account of

progress:

Construction commenced in December 2016 for

completion in 2019.

* *

PWP item no.: 272RS

Project title: Kai Tak Sports Park– construction works

Date of upgrading

to Category A: June 2017

Approved project

estimate: \$31,898 million

Project scope: Design, construction and operation of the Kai Tak

Sports Park which occupied a site of around 28 hectare in the north apron of the former Hong Kong International Airport in Kai Tak comprising a multi-purpose Main Stadium, a Public Sports Ground, an Indoor Sports Centre, retail outlets and

dining facilities and public open space.

Brief account of progress:

Prequalification of tenderers completed in September 2017. Tender assessment is in progress. Contract was expected to be awarded by end 2018 and the construction works will be completed between 2022

and 2023.

* *

PWP item no.: 92MM (part upgraded from 87MM)

Project title: New Acute Hospital at Kai Tak Development Area –

preparatory works

Date of upgrading

to Category A: July 2017

Approved project

estimate: \$769.3 million

Project scope: (a) consultancy services for outline the sketch design

and detailed design, as well as preparation of tender documentation and tender assessment for the proposed NAH and the adjoining section of

the waterfront promenade; and

(b) site investigations and minor studies (such as preliminary environmental review, tree and topographical surveys, utilities survey and survey

for impact assessment studies, etc.).

- (a) Project has been entrusted to the Hospital Authority (HA). Consultants were engaged by HA in September 2017.
- (b) Contract for Foundation, Excavation & Lateral Support, and Basement Excavation Works commenced in September 2018 for completion in 2021.
- (c) Outline design of Main Building Works is in progress.

* *

PWP item no.: 122KA

Project title: Inland Revenue Tower in Kai Tak Development

Date of upgrading to Category A

April 2018

Approved project estimate:

\$3,600 million

Project scope:

- (a) offices and other support facilities including conference rooms, interview rooms, training rooms, a lecture hall, a departmental library and storage areas;
- (b) public services counters (e.g. enquiry counters and shroff counters) and waiting areas for the public;
- (c) a telephone enquiry centre;
- (d) operational equipment, including system printing rooms, and a room for mail-inserting system and folding machines;
- (e) a document processing centre for handling incoming mails, business returns and individuals returns, and for scanning documents;

- (f) a computer data centre (comprising data control rooms, server farm, media library, printer and console areas), data preparation rooms, and network distribution rooms;
- (g) other miscellaneous facilities including staff lactation rooms, baby care room, pantries, toilet facilities, facilities for the disabled, a security control room, plant rooms, maintenance offices and workshops; and
- (h) a car park with a total of 66 parking spaces at grade including double-deckers located outside the building, for departmental, staff and visitor vehicles.

Works commenced in August 2018 for completion in 2022.

* *

PWP item no.: 436RO

Project title: Avenue Park at Kai Tak

Date of upgrading to Category A:

May 2018

Approved project

estimate:

\$321.9 million

Project scope:

- (a) thematic gardens;
- (b) a children's play area and a fitness area;
- (c) a basketball court;
- (d) covered walkways to connect the proposed Station Square where the future Kai Tak Station is located; and

(e) ancillary facilities such as a park management office, toilets and baby care rooms.

Brief account of progress:

Works commenced in June 2018.

* *

PWP item no.: **188GK**

Project title: Government Flying Service Kai Tak Division

Date of upgrading

to Category A: May 2018

Approved project

estimate: \$469.1 million

Project scope:

- (a) construction of an apron to provide a helicopter take-off/landing pad, two helicopter parking pads and the associated safety/protection areas;
- (b) construction of an office building to accommodate an Air Command and Control Centre, a Flight Planning Centre and ancillary facilities including offices for GFS's aircrew, engineering and administration staff, a multi-purpose function room for mission planning, briefing, training and meeting, and an aircraft and mission equipment storage area;
- (c) construction of a hangar to accommodate two helicopters and the associated maintenance equipment;
- (d) provision of supporting facilities for helicopter operation including radio and communication facilities, navigation, security and surveillance systems, helicopter refueling facilities and firefighting facilities; and
- (e) associated civil, drainage, sewerage, water supply, building and landscaping works, etc.

Construction works are scheduled to commence in December 2018 for completion in 2021.

* *

PWP item no.: 452RO

Project title: Waterfront promenade adjacent to the Hong Kong

Children's Hospital

Date of upgrading to Category A:

May 2018

Approved project estimate:

\$82.2 million

(a) a continuous pedestrian waterfront promenade; Project scope:

> (b) landscaped areas with benches, sheltered seating and flowering trees;

(c) a children's play area; and

(d) ancillary facilities including toilets, a baby care

room, etc.

Brief account of progress:

(a) Tender was invited in June 2018 and returned in

July 2018.

(b) Construction works anticipated was

commence in Q4 2018 for completion in 2020.

* * *

PWP item no.: 94MM (part upgraded from 87MM)

Project title: New Acute Hospital at Kai Tak Development Area –

foundation, excavation and lateral support, and

basement excavation works

Date of upgrading

to Category A: May 2018 Approved project

estimate:

\$5,356.8 million

Project scope:

- (a) foundation works;
- (b) excavation and lateral support works;
- (c) basement excavation works;
- (d) pile cap construction works; and
- (e) basement slab works.

Brief account of progress:

- (a) Project has been entrusted to the Hospital Authority (HA). Consultants were engaged by HA in September 2017 under 92MM.
- (b) Contract for Foundation, Excavation & Lateral Support, and Basement Excavation Works commenced in September 2018 for completion in 2021.

* *

Project title: Station Square at Kai Tak

467RO

Date of upgrading to

PWP item no.:

Category A: June 2018

Approved project

estimate: \$1,651.5 million

Project scope: (a) an open plaza with a landmark feature;

- (b) a Tai Chi plaza;
- (c) two lawn bowling greens;
- (d) a children's play area;

- (e) fitness stations (including fitness equipment for the elderly);
- (f) cycling grounds;
- (g) a cycle track connected to the Kai Tak cycle track network;
- (h) a jogging track;
- (i) a pet garden;
- (j) a large lawn for casual leisure use;
- (k) shaded seating areas;
- (l) soft landscaping and artwork;
- (m) a covered pedestrian passage to facilitate visitors walking between the future Kai Tak Station of Shatin-to-Central Link (SCL) and the Kai Tak Sports Park; and covered pedestrian pathways to facilitate movement between the two public housing estates (i.e. Kai Ching and Tak Long Estates) and the future SCL Kai Tak Station respectively; and
- (n) ancillary facilities including a park management office, toilets, changing rooms, a refuse collection chamber, a service yard, pavilions and store rooms.

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- (a) Tendering for Phase 1 works commenced in August 2018. Construction Works were anticipated to commence in December 2018.
- (b) Anticipated completion date of Phase 1 and 2 would be in December 2020 and December 2022 respectively.

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