

**Legislative Council Finance Committee
Hong Kong Section of the Guangzhou-Shenzhen-Hong Kong
Express Rail Link**

**Follow-up action arising from the discussion of application for
additional funding for the construction of the Hong Kong Section of
the Guangzhou-Shenzhen-Hong Kong
Express Rail Link at the Meeting on 26 and 27 February 2016**

INTRODUCTION

At the Meetings of the Finance Committee (“FC”) on 26 and 27 February 2016, Members continued to discuss matters relating to the application for additional funding for the construction of the Hong Kong section of the Guangzhou-Shenzhen-Hong Kong Express Rail Link (“XRL”) project. This paper aims to provide supplementary information in response to Members’ request raised at the meetings.

Information of the Major Contracts of the XRL

2. As at 31 January 2016, the MTR Corporation Limited (MTRCL) awarded 42 major contracts¹ for the XRL project. The supplementary information on the major contracts provided by the MTRCL is in the **Enclosure**.

3. According to the information provided by the MTRCL, the original anticipated completion dates of the contracts were to achieve the target commissioning date of the XRL in 2015. Due to the delay in the progress of works, the target commissioning date of the XRL is now delayed to the third quarter of 2018, which includes a 6-month contingency period. The MTRCL, being the project manager, will adjust the anticipated completion dates of the contracts according to the contract conditions. Regarding the information such as the revised anticipated completion dates of individual major contracts, since it involves the assessment and discussion of the MTRCL on the claims for extensions of time submitted by the contractors, which are commercially sensitive in nature, it is not appropriate to disclose such details, in order not to affect the on-going discussion between MTRCL and the contractors,

¹ Major contract refers to the awarded contract with the contract sum value more than \$50 million.

and jeopardize the proper usage of public funds. In general, the current anticipated completion dates of the major contracts are to meet the target commissioning date of the XRL in the third quarter of 2018.

**Transport and Housing Bureau
Highways Department
March 2016**

Information on the Major Contracts of the XRL Project_

No.	Contract No.	Contract	Scope of Works	Contacto	Type of Contract	Award Date	Original Completion Date	Actual Progress of Works as at 31 January 2016	Anticipated Progress of Works as at 31 January 2016*
1	802	Nam Cheong Property Foundation Removal and Reprovisioning	<ul style="list-style-type: none"> Removal of the existing foundation and piles along the tunnel alignment near Nam Cheong Alternation to Entrance A of Nam Cheong Station and the public transport interchange Reprovisioning of the foundation for the future property development at Nam Cheong Station 	Hsin Chong Construction Co Ltd	Variable price	27 January 2010	8 April 2012	99.9%	98.1%
2	803A	West Kowloon Terminus Diaphragm Walls (Site A)	<ul style="list-style-type: none"> Construction of the diaphragm wall, large diameter bored piles and socket H-piles for the station box of the West Kowloon Terminus and the approach tunnels Foundation enabling works for West Kowloon Terminus, including diversion/relocation of utilities and traffic diversion of Lin Cheung Road, Jordan Road and Austin Road 	Bachy Soletanche Group Ltd	Fixed price	27 January 2010	13 March 2011	Completed	Completed
3	803B	West Kowloon Terminus Piles (Site A - North)	<ul style="list-style-type: none"> Piling works at the West Kowloon Terminus (North) 	Tysan Foundation Ltd	Fixed price	10 March 2010	10 July 2011	Completed	Completed
4	803C	West Kowloon Terminus Piles (Site A - South)	<ul style="list-style-type: none"> Piling works at the West Kowloon Terminus (South) 	VIBRO-Chun Wo Joint Venture	Fixed price	27 January 2010	27 February 2011	Completed	Completed
5	803D	West Kowloon Terminus Diaphragm Walls and Piles (WKCD)	<ul style="list-style-type: none"> Construction of the diaphragm wall, large diameter bored piles, socket H-piles and for the station box of the West Kowloon Terminus and the approach tunnels 	Bachy Soletanche Group Ltd	Fixed price	27 January 2010	27 March 2011	Completed	Completed
6	805	Sham Mong Road Obstruction Removal	<ul style="list-style-type: none"> Demolition and re-provision of two existing footbridges and construction of temporary footbridge Removal of the foundation and piles along the tunnel alignment at Sham Mong Road 	Paul Y. Construction Co Ltd	Fixed price	27 January 2010	13 December 2012	Completed	Completed

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7	810A	West Kowloon Terminus Station North	<ul style="list-style-type: none"> • Site formation works at the West Kowloon Terminus • Construction of the station structure and the station entrance building • Construction of Lin Cheung Road Underpass • Construction of footbridges and subways • Construction of noise barriers and associated works • Architectural builders works and finishes (ABWF) and building services works 	Leighton - Gammon Joint Venture	Fixed price	18 October 2011	10 May 2015	53.9%	48.2%
8	810B	West Kowloon Terminus Station South	<ul style="list-style-type: none"> • Site formation works at the West Kowloon Terminus • Construction of the station structure • Construction of Lin Cheung Road/ Austin Road West Underpass • Construction of the noise barriers and associated works • ABWF and building services works 	Laing O'Rourke-Hsin Chong-Paul Y. Joint Venture	Fixed price	12 January 2011	10 May 2015	90.4%	89.6%
9	811A	West Kowloon Terminus Approach Tunnel (North)	<ul style="list-style-type: none"> • Construction of piled and floating cut-and-cover tunnels connecting to the terminus • Provision of a shaft for retrieval of the tunnel boring machine • Construction of Mong Kok West Ventilation Building • Demolition and provision of replacement vehicular viaduct • Modification works to the CLP Lai Cheung Road Substation 	Bachy Soletanche - Laing O'Rourke Joint Venture	Fixed price	3 May 2010	10 May 2015	99.3%	98.4%

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10	811B	West Kowloon Terminus Approach Tunnel (South)	<ul style="list-style-type: none"> • Construction of piled and floating cut-and-cover tunnels connecting to the terminus • Construction of public transport interchange with an open air landscape deck at the north of Jordan Road • Construction of the terminus and supporting ventilation building • Construction of footbridges • Construction of Lin Cheung Road Underpass • Construction of noise barriers and associated public facilities 	Gammon - Leighton Joint Venture	Fixed price	13 August 2010	10 May 2015	73.3%	70.4%
11	815A	Supply of Metal Doors and Frames including Ironmongery	<ul style="list-style-type: none"> • Provision of metal doors, frames and ironmongery for the XRL project 	The Jardine Engineering Corporation Ltd	Fixed price	9 May 2012	10 May 2015	86.0%	86.0%
12	815F	Public Toilet Fit-Out Works	<ul style="list-style-type: none"> • Fitting-out works of the public toilets at the West Kowloon Terminus 	Wan Chung Construction Company Limited	Fixed price	9 September 2013	10 May 2015	40.0%	40.0%
13	816A	West Kowloon Terminus - Environmental Control System	<ul style="list-style-type: none"> • Provision of environmental control system, mechanical ventilation, staircase pressurization, central air-conditioning systems, etc. at the West Kowloon Terminus. The major facilities include water-cooled energy-efficient central chiller, heat-exchangers, larger-scale air-handling units, ventilation and extraction fans, etc. 	Shinryo Corporation	Fixed price	9 December 2011	10 May 2015	43.2%	40.4%
14	816B	West Kowloon Terminus - Building Services Control System	<ul style="list-style-type: none"> • Provision of building services control system at the West Kowloon Terminus, access and connecting footbridges for monitoring and controlling the environmental control and the building services systems of the terminus 	Johnson Controls Hong Kong Limited	Fixed price	9 December 2011	10 May 2015	38.8%	38.8%
15	816C	West Kowloon Terminus - Electrical Installation	<ul style="list-style-type: none"> • Provision of low-voltage power supply, lighting, cable trays and uninterruptible power supply for the West Kowloon Terminus, access and connecting footbridges 	Shinryo Corporation	Fixed price	9 December 2011	10 May 2015	39.8%	37.6%

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16	816D	West Kowloon Terminus - Fire Services, Plumbing & Drainage	<ul style="list-style-type: none"> Provision of fire services installation at the West Kowloon Terminus, including the intelligent fire detection and alarm system, fire hydrants, hose reels and sprinkler systems Plumbing and drainage systems 	Leighton - Chubb E&M Joint Venture	Fixed price	9 December 2011	10 May 2015	40.5%	40.0%
17	820	Mei Lai Road to Hoi Ting Road Tunnels	<ul style="list-style-type: none"> Construction of two single-track bored tunnels with cross passages and Nam Cheung Ventilation Building 	Dragages - Bouygues Joint Venture	Variable price	3 May 2010	10 May 2015	Completed	Completed
18	821	Shek Yam to Mei Lai Road Tunnels	<ul style="list-style-type: none"> Construction of two single-track tunnels with cross passages and a duel-track tunnel with central dividing wall Construction of Kwai Chung Ventilation Building, the ventilation air duct and access road between the ventilation building and the operating tunnel 	Dragages - Bouygues Joint Venture	Variable price	12 July 2010	10 May 2015	Completed	Completed
19	822	Tse Uk Tsuen to Shek Yam Tunnels	<ul style="list-style-type: none"> Construction of a duel-track tunnel with central dividing wall Construction of Pat Heung Ventilation Building, the ventilation air duct and vehicular access road Construction of Sheung Mun Ventilation Building with a ventilation shaft and emergency exit 	Leighton Contractors (Asia) Ltd	Variable price	10 March 2010	10 May 2015	99.8%	99.8%
20	823A	Tai Kong Po to Tse Uk Tsuen Tunnels	<ul style="list-style-type: none"> Construction of two sections of single-track tunnel: North section from Tai Kong Po to emergency rescue sidings, and South section from Tse Uk Tsuen to emergency rescue sidings 	Maeda - China State Joint Venture	Fixed price	12 July 2010	10 May 2015	93.3%	89.6%
21	823B	Shek Kong Stabling Sidings & Emergency Rescue Sidings	<ul style="list-style-type: none"> Construction of emergency rescue sidings and related plant buildings Construction of Shek Kong Stabling Sidings, maintenance and main building, security centre and traction power station Construction of the approach tunnel to the stabling sidings and emergency rescue sidings 	Maeda - China State Joint Venture	Fixed price	20 October 2010	10 May 2015	99.2%	98.2%

No.	Contract No.	Contract	Scope of Works	Contacteur	Type of Contract	Award Date	Original Completion Date	Actual Progress of Works as at 31 January 2016	Anticipated Progress of Works as at 31 January 2016*
22	824	Ngau Tam Mei to Tai Kong Po Tunnels	<ul style="list-style-type: none"> • Construction of two single-track tunnels with cross passages, bifurcation connecting tunnel and cavern • Construction of Ngau Tam Mei Ventilation Building and Tai Kong Po Emergency Access Point 	Kier-Kaden-OSSA Joint Venture	Variable price	13 August 2010	10 May 2015	91.9%	86.7%
23	825	Mai Po to Ngau Tam Mei Tunnels	<ul style="list-style-type: none"> • Construction of two single-track tunnels with cross passages • Construction of Mei Po Ventilation Building 	Penta-Ocean Construction Co Ltd	Variable price	27 January 2010	10 May 2015	98.3%	97.9%
24	826	Huanggang to Mai Po Tunnels	<ul style="list-style-type: none"> • Construction of two single-track tunnels with cross passages 	CRCC-HC-CR15G Joint Venture	Variable price	10 March 2010	10 May 2015	99.0%	96.4%
25	830	Trackwork and Overhead Line System	<ul style="list-style-type: none"> • Installation of tracks, 25kV overhead line system and associated electric and mechanical system interfaces from the West Kowloon Terminus to the boundary of Hong Kong and Shenzhen 	Chun Wo - CRGL - QR Joint Venture	Fixed price	6 July 2011	10 May 2015	73.6%	70.1%
26	840	Express Rail Link: Rolling Stock	<ul style="list-style-type: none"> • Provision of nine 8-car high speed trains for the services between Guangzhou South Station and West Kowloon Terminus 	CSR Qingdao Sifang Co Ltd	Fixed price	7 March 2012	10 May 2015	52.4%	52.4%
27	841A	Signalling System - Trackside Equipment	<ul style="list-style-type: none"> • Provision of trackside signalling system equipment (i.e. signalling equipment installed along the track) for the Hong Kong section of XRL to coordinate with the train-borne signalling system to monitor the operation of the high speed trains and locomotives • Interface with the electric and mechanical systems between the XRL Hong Kong and the Mainland sections 	Beijing HollySys Co Ltd	Fixed price	7 March 2012	10 May 2015	59.2%	58.1%

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28	841B	Signalling System - Trainborne Equipment	<ul style="list-style-type: none"> Provision of the train-borne signalling system equipment (i.e. the signalling system installed at the driving cabs) on the nine 8-car high speed trains for services between Guangzhou South Station and West Kowloon Terminus and on the locomotives Interface with the electric and mechanical systems between the XRL Hong Kong and the Mainland sections 	Beijing HollySys Co Ltd	Fixed price	7 March 2012	10 May 2015	62.8%	60.0%
29	842A	Mainland E&M Interface Modification Works	<ul style="list-style-type: none"> Provision of modification works for the electric and mechanical systems between the XRL Hong Kong and the Mainland sections 	Guangzhou-Shenzhen-Hong Kong Passenger Dedicated Line Co. Ltd.	Fixed price	6 January 2014	To tie in with the commissioning of XRL	44.0%	44.0%
30	843	Tunnel Environmental Control System	<ul style="list-style-type: none"> Provision of the environmental control system along the tunnel of the Hong Kong section of XRL and the platform track fan area at West Kowloon Terminus, to ensure adequate ventilation under normal and congested scenarios and to provide smoke free environment for passengers safe evacuation under emergency situation 	GAS Joint Venture	Fixed price	3 May 2011	10 May 2015	52.7%	49.0%
31	844	11kV Power Distribution	<ul style="list-style-type: none"> Provision of 11kV power supply system network to ensure a stable electricity supply for all facilities within the Hong Kong section of XRL 	CLP Power Hong Kong Limited	Fixed price	12 February 2014	To tie in with the commissioning of XRL	45.8%	45.8%
32	846	Trackside Auxiliaries	<ul style="list-style-type: none"> Provision of electrical facilities, tunnel lighting, low-voltage power supply, earthing system in the tunnel and emergency rescue sidings, cable brackets, tunnel groundwater and foul water sump pumps system, signage and fire hydrant along the tunnel Provision of power supply and distribution system for the above systems Provision of safety handrails and barrier fences 	Shinryo Corporation	Fixed price	10 August 2011	10 May 2015	48.9%	45.1%

No.	Contract No.	Contract	Scope of Works	Contactora	Type of Contract	Award Date	Original Completion Date	Actual Progress of Works as at 31 January 2016	Anticipated Progress of Works as at 31 January 2016*
33	847	Lifts	<ul style="list-style-type: none"> Provision of passenger lifts, fireman lifts, cargo lifts, baggage trolley lifts, material transfer lifts for small items at West Kowloon Terminus, emergency rescue sidings, Shek Kong Stabling Sidings, public transport interchange, plant buildings and ventilation buildings 	KONE Elevator (HK) Ltd	Fixed price	6 September 2011	10 May 2015	35.3%	32.1%
34	848	Escalators and Moving Walkways	<ul style="list-style-type: none"> Provision of escalators and moving walkways at the West Kowloon Terminus and public transport interchange 	ThyssenKrupp Elevator	Fixed price	6 September 2011	10 May 2015	36.7%	32.3%
35	849	Radio Communications System	<ul style="list-style-type: none"> Provision of Global System for Mobile Communications – Railway (GSM-R) radio system for the operation and maintenance of the Hong Kong section of XRL 	GTECH - CIC JV	Fixed price	19 October 2011	10 May 2015	46.5%	42.0%
36	850	Passenger Mobile Communications System	<ul style="list-style-type: none"> Provision of infrastructure for the mobile phone and wireless network (Wi-Fi) system for public use at the Hong Kong section of XRL and the West Kowloon Terminus 	Comba Telecom Ltd	Fixed price	12 December 2012	10 May 2015	52.5%	47.5%
37	851	Fixed Communications System	<ul style="list-style-type: none"> Provision of telephone, direct line, emergency phone, intercom phone and central digital recording systems Provision of systems for public announcement, closed circuit television, passenger information display, digital media, etc. Coordination of related systems interfaces between Hong Kong and the Mainland 	Siemens Ltd.	Fixed price	19 October 2011	10 May 2015	45.8%	42.3%
38	852	Ticketing System	<ul style="list-style-type: none"> Provision of ticketing system and passenger service management system of the Hong Kong section of XRL 	Nuctech Company Ltd	Fixed price	16 April 2012	10 May 2015	71.5%	69.7%
39	853	Main Control System	<ul style="list-style-type: none"> Provision of work stations and display panels to display information and status for building services, power supply, ventilation, train operation, etc. 	Beijing HollySys Co Ltd	Variable price	8 November 2011	10 May 2015	78.3%	76.1%

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40	855	Building Services for Tunnel Ventilation Facilities and Emergency Rescue Siding	<ul style="list-style-type: none"> Provision of environmental control, electrical equipment, fire services installations, plumbing and drainage systems at the ventilation buildings, plant buildings, emergency rescue sidings and vehicular access points of the Hong Kong section of XRL 	ATAL Engineering Ltd	Variable price	12 January 2011	10 May 2015	71.5%	67.4%
41	856	Building Services for Shek Kong Stabling Sidings	<ul style="list-style-type: none"> Provision of environmental control, electrical equipment, fire services installations, plumbing and drainage system at Shek Kong Stabling Sidings 	ATAL Engineering Ltd	Variable price	1 February 2011	10 May 2015	98.2%	96.3%
42	861A	Locomotives and Flat Wagons	<ul style="list-style-type: none"> Provision of rescue locomotives, emergency rail buses, small power diesel locomotives, flat wagons, tunnel cleansing locomotives, cranes wagons, and passenger wagons 	Jiangsu KTK Locomotive & Rolling Stock Co Ltd	Fixed price	13 March 2012	10 May 2015	96.3%	90.9%

*Anticipated progress based on the commissioning programme in the third quarter of 2018