

**For discussion
on 22 February 2011**

**Legislative Council
Panel on Development**

An Update on the Construction Manpower in Hong Kong

Purpose

The purpose of this paper is to provide an update on the progress of the approved Capital Works Projects as well as the construction manpower situation and related efforts made to address manpower needs.

Investment in Infrastructure

2. In the coming years, the Government will continue to invest heavily in infrastructure to promote economic development, create employment opportunities and enhance the long-term competitiveness of Hong Kong.

3. Annual expenditure on Capital Works Programme has risen substantially from \$20.5 billion in 2007-08 to an estimated \$49.6 billion in 2010-11. The estimated expenditure for capital works of \$49.6 billion in 2010-11 will provide 62,500 job opportunities. Among them, about 6,600 are for professional/ technical staff and about 55,900 are for workers. This represents an increase of 15,400 jobs as compared with 2009-10.

4. We are now forging ahead with construction projects of various scales, including the ten major infrastructure projects (“the Ten Major Projects”) and other projects ranging from major to minor scales. Of the Ten Major Projects, construction of the Hong Kong-Zhuhai-Macao Bridge, the Hong Kong Section of the Guangzhou-Shenzhen-Hong Kong Express Rail Link and the Kai Tak Development Plan Stage 1 have commenced. The Sha Tin to Central Link was gazetted and the construction of its advance

works is scheduled for commencement in 2011. The South Island Line (East) was authorised and the construction works are expected to commence in 2011.

5. We are also pressing ahead with other major to medium sized projects such as replacement and rehabilitation of water mains (stage 4 phase 1), cycle tracks and associated facilities along seafront at Town Centre South in Tseung Kwan O, redevelopment of St Francis' Canossian College, provision of interception facilities at Jordan Valley Box Culvert, etc.

6. Allocation on minor works has also received a significant boost in recent years from \$6.1 billion in 2007-08 and \$6.9 billion in 2008-09 to \$8.53 billion in 2010-11. The allocation on minor works in 2011-12 will be maintained at a high level of \$8.36 billion.

7. Following the approval of the Finance Committee (FC) for upgrading the public works projects to Category A, works departments will make every effort to **commence works as soon as practicable**. Taking 6 months as a basis for analysis, in the 2007-08 and 2008-09 legislative sessions, about 79% (i.e. 139 out of a total of 177) of the approved new projects, representing 83% of the total approved project sum, commenced works within 6 months following FC's approval. In the 2009-10 legislative session, about 93% (i.e. 26 out of a total of 28) of the approved new projects, representing 99% of the total approved project sum, commenced works within 6 months following FC's approval.

8. Apart from ensuring early commencement of approved projects, works departments have also closely monitored the work progress to ensure timely completion. In the 2007-08 and 2008-09 legislative sessions, about 77% (i.e. 136 out of a total of 177) of the approved new projects, representing nearly 70% of the total approved project sum, were completed within six months of the original completion dates. In the 2009-10 legislative session, all of the 28 approved new projects are anticipated to complete within six months of the original completion dates.

9. Details of the progress of each project approved by FC since the 2007-08 legislative session are set out at **Annex A**.

10. With the volume of construction works anticipated to be maintained at a very high level in the coming years, we are conscious of the need to monitor the manpower situation of the construction industry.

11. Our efforts to forge ahead with infrastructure development including additional minor works, have helped lower the unemployment rate of the construction sector from the peak of 12.8% in the first quarter of 2009 to 4.8% in the last quarter of 2010.

Construction Manpower Situation

12. To cope with the demand for manpower for the smooth, effective and timely delivery of the above mentioned construction projects, it is imperative to nurture and retain a workforce that is capable of delivering high quality construction.

13. According to information provided by the Construction Workers Registration Authority (CWRA) in end January 2011, of the 265 500 registered construction workers, about 40% are aged over 50 whereas only 6% is below the age of 25. In terms of skill level, about 60% of the registered construction workers are general workers without specialised skills. Thus, although the total construction workforce may be able to meet the anticipated demand, the construction industry is facing an increasingly acute ageing problem, particularly for workers. This is compounded with skill mismatch problem when increasing proportion of projects would be infrastructure development in coming few years whereas building construction used to be the dominating work type. The two key manpower challenges i.e. acute ageing and skills mismatch problems, are confirmed by the study commissioned by Construction Industry Council (CIC).

14. With more opportunities for further education and employment in other sectors, and the comparatively less favourable working environment, the construction industry has encountered difficulties in attracting young people and in retaining those who have already joined the workforce. This is evident in the increasing difficulties faced by the CIC in recruiting craft level trainees especially for some trades such as bar bending and fixing, formwork carpenter (civil construction), metal formwork erection and drainlaying.

15. We seek to address the rising manpower needs through various means including strengthening the training and trade-testing function of CIC, encouraging in-service workers to become multi-skilled, enhancing promotion and publicity activities to attract more new entrants, enhancing the working conditions in construction sites and exploring possible means to reduce manpower demand in trades with anticipated shortage through research and development. Details are set out in ensuing paragraphs.

Strengthening the training and trade-testing functions of CIC

16. On 28 May 2010, the FC approved a one-off funding of \$100 million to support the CIC¹ to enhance training and trade testing for prospective fresh blood and in-service construction personnel, and to enhance promotion and publicity activities to attract more people to join the industry. Not less than \$80 million is allocated for reimbursing the CIC of training allowances and trade testing and course fees benefiting trainees and workers. The remaining funds will be used to enhance promotion and publicity activities to attract more people to join the construction industry.

17. With the funding support in paragraph 16 above, the CIC has been implementing various training and trade-testing initiatives as described in **Annex B**. The progress of these initiatives is summarized below:

- (i) Enhanced Construction Manpower Training Scheme for selected trades
 - (a) The first phase of the Enhanced Construction Manpower Training Scheme (ECMTS) was rolled out in September 2010 covering the four trades of Bar Bender and Fixer, Carpenter (Formwork), Rigger/Metal Formwork Erector and Concretor, and Drainlayer.
 - (b) Taking account of the latest labour market situation, as well as to complement CIC's efforts to raise the appeal of the Scheme to prospective entrants, the Hong Kong Construction Association (HKCA) announced on 24

¹ In response to this initiative, CIC has increased its investment to cover the additional expenses on instructing staff, workshop training and operating expenses, training expenses, capital expenses in furniture and equipments, overheads etc.

January 2011 the initiative to enhance the ECMTS by pledging that graduates of selected trades can receive a monthly income of no less than \$10,000 a month which will be further increased to no less than \$15,000 a month after six months from employers participating in the Scheme.

(c) The second phase of ECMTS was launched in January 2011. In addition to the four trades covered in the first phase, three more trades viz. site surveyors, levellers and metal workers have been included into the Scheme.

(ii) Advanced training course for senior construction workers

CIC is preparing to roll out the above training programme in the first quarter of 2011.

(iii) Enhanced construction supervisor / technician training

CIC is strengthening the existing training programme in consultation with industry stakeholders making it better suit the need of the industry. CIC plans to launch the new course in the second half of 2011.

(iv) Subsidy for fees of trade tests, specified training courses² and skills enhancement courses

(a) The first phase of initiative has already started and covered the four trades of Bar Bender and Fixer, Carpenter (Formwork), Rigger/Metal Formwork Erector and Concretor, and Drainlayer.

(b) Starting from January 2011, the scope of the initiative will be expanded to cover the trade of leveller. The CIC has also launched the skills enhancement courses for the plumber trade.

² Pursuant to s.41 of the Construction Workers Registration Ordinance (Cap. 583), experienced construction workers satisfying certain registration requirements may attain registered skilled workers qualification through attending a specified training course designated by CWRA and passing the corresponding skill assessment.

- (c) Notably, this initiative will also provide incentive for in-service workers to become multi-skilled through continual learning, say by taking trade tests of more than one trades so as to enhance its competitiveness and employability in the construction industry.

18. Besides the above training initiatives, the CIC also offers other industry training programmes including the full-time Basic Craft course³, Construction Supervisor/ Technician programme⁴ and Adult Short Courses⁵.

19. Recently, the CIC has launched the Contractors Collaborative Training Scheme (CCTS). The CCTS aims to provide training for trades which require massive plants and special venues. Participating contractors will be responsible for the training facilities, venue and tutor on site while CIC will supervise the course and carry out the certification to maintain standards of the training programme.

20. In view of the sizeable number of public works projects of varying scale coming on stream and possibly building works projects from the private sector, we will closely monitor the manpower situation with other key stakeholders including CIC, contractors and labour unions to address the manpower needs in an appropriate manner.

Promotion and Publicity Activities

21. In March 2010, CIC commissioned the Hong Kong University Public Opinion Programme (POP) to conduct an opinion survey to understand the impression of target trainees and related persons on the construction industry as well as their views on CIC and tendency of related persons in selecting occupation. The result indicates that public awareness on the construction industry is inadequate. There are also general

³ Basic Craft Course is a one to two year full-time course targeting at post-secondary 3 graduates. Those who graduate from the course would acquire an Intermediate Trade Test certificate.

⁴ Construction Supervisor / Training Programme is a one to two years full-time course targeting at post-secondary 5 graduates. Those who graduate from the course can assume junior supervisory positions for contractors.

⁵ Adult Short Courses are full-time courses of a shorter duration ranging from 12 to 135 days. The courses are targeting at those aged 18 or above who are interested in joining the construction industry. Those who graduate from the courses will acquire an Intermediate Trade Test or Trade Test certificate.

misconceptions and negative impression about the industry. The survey has reinforced the pressing need to enhance the promotion and publicity activities to attract more people to join the construction industry.

22. By using the funds approved by FC in May 2010 as mentioned in paragraph 16 above, we are launching an intensive publicity and promotion campaign in phases to enhance communication with key target audience and to uplift the image of the construction industry to the general public. Image building requires sustained efforts as time is needed to gather momentum to change the public perception of the construction industry in close collaboration with relevant stakeholders including CIC, CWRA, HKCA, MTRC, and labour unions, to achieve synergy and maximize the benefits of the concerted efforts.

23. Promotion and publicity activities include promoting the achievements of the industry through various media and channels for reaching out to people of different background and providing information of the industry to potential new entrants, etc. are planned. On-line and mobile initiatives as well as through the traditional media channel are being considered.

Enhancing the Working Conditions in Construction Sites

24. One of the challenges in attracting new blood to the industry is that the working conditions are often perceived as dangerous and unpleasant. In a bid to improve the practice of the construction industry, the Government is stipulating provisions in public works contracts requiring contractors to implement measures to improve the site operating environment, enhance construction site safety, and uplift site cleanliness and tidiness.

25. As a new initiative, the Government will require contractors to provide uniform for site personnel. Wearing of uniform by construction site personnel can build a clean and tidy image of construction workers, enhance site safety by minimizing accidents caused by improper attire, strengthen security management and enhance efficient communication through easy identification of site personnel and enhance team spirit and create identity throughout the work force. We are now liaising with contractors and labour unions to take forward the initiative.

26. We have strengthened existing measures and launched new initiatives to enhance construction site safety. The new initiatives include Behaviour Advancement Programme to nurture work safe behaviour and culture among workers, Site Safety Model Workers Award Scheme to recognise the contribution of workers, and the extension of Site Safety Cycle to term contracts. With respect to the improvement in safety training, the Construction Industry Council Training Academy have offered new Silver Card courses for specific trades and provided additional safety courses for site supervisors.

27. We have strengthened the contractual measures to ensure site cleanliness and tidiness by requiring contractors' supervisory staff to conduct daily inspection. We have also revised contract provisions to instigate the application of pre-priced contract rates for items of "daily cleaning" and "weekly tidying" to ensure that contractors would have sufficient resources to implement site cleanliness and tidiness measures.

28. To enhance site outlook, we will adopt hoarding design with appropriate aesthetic and/or green treatment incorporated to blend in with the surroundings at selected sites. Where applicable, the theme of the projects should also be highlighted.

Reduce Manpower Demand Through Research and Development

29. It is understood that the local construction industry is labour-intensive and involves extensive variety of trades on site. As a result, the quality and cost of construction are highly dependant on a steady supply of skilled labour. However, overseas experiences indicate that advancement of technology will help improve the overall performance and competitiveness of the construction industry by enhancing productivity and improving quality through innovation.

30. With the availability of funding sources including Innovation and Technology Fund and the Research Grants Council as well as resources from CIC, we will work closely with CIC with a view to setting clear objectives, directions and priorities for local construction research and development (R&D) activities. As a start, we consider that R&D efforts could be channelled to review the design and construction practices with a view to reducing manpower demand for trades with anticipated shortages.

On a separate but related front, we will also encourage contractors to adopt more widely mechanized method for trades with anticipated labour shortage.

Advice Sought

31. Members are invited to note the update on the progress of the public capital works programme and the construction manpower situation and related efforts made to address manpower needs.

Development Bureau
February 2011

Summary of capital works projects approved by Finance Committee since 2007-08 session

Item no.	Project title	Date of funding approval by Finance Committee (FC)	Approved project estimate (APE) (\$M) [Note 1]	Original scheduled commencement date in PWSC paper	Original scheduled completion date in PWSC paper	Date of tender invitation	Accumulative value of contracts awarded (\$M)	Date of commencement	Actual / anticipated project completion date	Remarks
4153CD	Drainage improvement works in Tai Po Tin and Ping Che of Ta Kwu Ling, and Man Uk Pin and Lin Ma Hang of Sha Tau Kok	Nov-07	161.8	Dec-07	Jun-11	Sep-07	145.2	Dec-07	Dec-11	Project completion date was deferred as more time was required for further consultation of the affected local residents.
3339EP	A 30-classroom primary school at Fuk Wing Street, Sham Shui Po	Nov-07	132.6 [143.0]	Apr-08	Dec-09	Oct-07	136.6	Mar-08	Feb-11	Due to the failure of trial pile test, the progress of piling works was substantially delayed and the completion date of the project was deferred to February 2011.
3340EP	A 24-classroom primary school at Inverness Road, Kowloon City	Nov-07	121.5 [136.3]	Apr-08	Dec-09	Nov-07	133.5	Apr-08	Apr-10	Project completion date was deferred due to unforeseen underground utilities within the site affecting the sub-structure works.
3341EP	An 18-classroom primary school at Fuk Wing Street, Sham Shui Po	Nov-07	103.9 [109.0]	Apr-08	Dec-09	Oct-07	107.2	Mar-08	Feb-11	Due to the failure of trial pile test, the progress of piling works was substantially delayed and the completion date of the project was deferred to February 2011.
3261ES	Secondary school at Aberdeen Reservoir Road, Aberdeen	Nov-07	182.0 [209.3]	Dec-07	Jul-11	NA ^{Note 2}	207.3	Dec-07	Oct-11	Project completion date was deferred due to delay in site formation works.
4230DS	Outlying Islands sewerage, stage 1 phase 1 part 2—Yung Shue Wan sewerage, sewage treatment works and outfall	Nov-07	288.3 [347.5]	Jan-08	Jul-10	Sep-07	278.0	Jan-08	Feb-14	The first contract on sewer laying works at Yung Shue Wan was on schedule. However, the second contract on sewage treatment & disposal facilities was deferred due to re-packaging and re-tendering of the works and seeking approval for increase in APE before contract award. Project completion date was deferred accordingly.
4234DS	Outlying Islands sewerage, stage 1 phase 2—Sok Kwu Wan sewage collection, treatment and disposal facilities	Nov-07	256.4 [353.7]	Jan-08	Jul-10	Sep-07	278.0	Jan-08	Feb-14	The first contract on sewer laying works at Sok Kwu Wan was on schedule. However, the second contract on sewage treatment & disposal facilities was deferred due to re-packaging and re-tendering of the works and seeking approval for increase in APE before contract award. Project completion date was deferred accordingly.
4360DS	Sewerage at Tseng Tau Chung Tsuen, Tuen Mun	Nov-07	33.0	Jan-08	Oct-10	Sep-07	13.5	Dec-07	Mar-11	Project completion date was deferred due to the additional works involved as a result of site situation.
8020EJ	Multi-media Building, stage 2	Dec-07	437.0	2008Q1	2010Q1	Feb-08	309.0	Jun-08	Dec-10	Project commencement date was deferred due to longer time required for tendering. Project completion date was deferred due to inclement weather and site difficulties
4092CD	Yuen Long, Kam Tin, Ngau Tam Mei and Tin Shui Wai drainage improvements, stage 1 phase 2B—remaining works	Dec-07	202.4	Feb-08	Feb-11	Sep-07	169.3	Dec-07	Feb-11	
9046WS	Uprating of Sha Tin salt water supply system	Dec-07	207.4	Feb-08	Jun-11	Dec-07	189.8	Mar-08	Aug-11	Project commencement date was deferred due to extension of tender period for the first contract. Project completion date was deferred due to longer time required for tender assessment for the last contract.
B566CL	Development at Anderson Road	Dec-07	3467.2	Jan-08	Dec-14	Sep-07	2,063.0	Jan-08	Dec-14	

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B188WC	Mainlaying within development at Anderson Road	Dec-07	103.8	Dec-10	Mar-14	NA ^{Note 2}	38.0	Jan-10	Mar-14	
8002QR	MTR West Island Line – funding support for design phase	Dec-07	400.0	-	-	NA ^{Note 2}	400.0	Feb-08	Mar-09	
6800TH	Retrofitting of noise barriers at Kwun Tong Bypass	Dec-07	87.2	Jun-08	Dec-10	Mar-08	64.9	Jun-08	Feb-10	
3047RG	Siu Sai Wan Complex	Dec-07	411.3 [463.7]	Apr-08	Nov-10	Nov-07	415.7	Mar-08	Nov-10	
3412RO	Sun Yat Sen Memorial Park and Swimming Pool Complex	Dec-07	574.7	Apr-08	Apr-11	Nov-07	526.0	Mar-08	Apr-11	
6828TH	Tuen Mun–Chek Lap Kok Link and Tuen Mun Western Bypass—investigation and preliminary design	Jan-08	88.6	May-08	May-10	Jan-08	70.0	May-08	Dec-12	The slippage is due to protracted discussion on the Tuen Mun Western Bypass alignment. Alternative proposals by the public were received during public consultation. A total of 10 alignment options have been evaluated, with the Tuen Mun District Council and Heung Yee Kuk finally giving consent to our recommended alignment option in November 2010. However, as the accepted alignment is significantly different from the original alignment proposed under the Feasibility Study, a new environmental impact assessment (EIA) study has to be conducted under the EIA Ordinance. Taking into account the time required for EIA, gazetting and authorisation of the road scheme under the Roads (Works, Use and Compensation) Ordinance, the whole study is anticipated to be completed by end 2012.
6162TB	Extension of footbridge network in Tsuen Wan—Footbridge A along Tai Ho Road	Jan-08	109.6 [169.0]	May-08	Apr-11	Mar-08	118.3	Dec-08	Jan-12	Project commencement and completion dates were deferred due to additional time taken for seeking approval on increase in APE before awarding the contract.
3075KA	New Civil Aviation Department headquarters	Jan-08	1997.0	Sep-08	Dec-11	Sep-08	1,994.8	May-09	Aug-12	Project commencement and completion dates were deferred due to re-tendering.
4352DS	Harbour Area Treatment Scheme, stage 2A—construction of advance disinfection facilities at Stonecutters Island sewage treatment works	Jan-08	109.9	Apr-08	Oct-09	Dec-07	108.0	Apr-08	Dec-09	Project completion date was deferred as more time was required for trial operation to optimize the function of disinfection facilities.
4154CD	Decking of Jordan Valley nullah in Kwun Tong, Flower Market Road nullah in Mong Kok and Tonkin Street nullah in Sham Shui Po	Jan-08	215.9	Feb-08	Dec-10	Nov-07	177.0	Feb-08	Dec-10	
8011EL	Extension to the existing Academic Building	Jan-08	90.8 [116.1]	2008Q2	2010Q2	Jun-08	102.7	Jan-09	Jun-11	Project commencement and completion dates were deferred to allow for the application for increase in APE.
8052EG	Human Research Institute, phase 1	Feb-08	133.2 [188.5]	2008Q1	2010Q3	Feb-08	146.5	Jul-08	Aug-11	Project commencement and completion dates were deferred to allow for the application for increase in APE.

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8053EG	1 800-place student residences at Lung Wah Street, Kennedy Town	Feb-08	459.7 [643.6]	2008Q2	2011Q2	Jul-08	565.8	Mar-09	Aug-12	Project commencement and completion dates were deferred as more time was required by Hong Kong University to negotiate the tender price with the contractor.
7389RO	Enhancement of public facilities at Ngong Ping, Lantau	Feb-08	68.0 [77.5]	Jun-08	Dec-09	Apr-08	73.5	Apr-08	Jul-10	Project completion date was deferred to cater for the unforeseen underground obstruction, inclement weather and some design changes.
9326WF	Integration of Lion Rock high level fresh water primary service reservoirs and Tseung Kwan O fresh water primary service reservoir	Feb-08	159.7	May-08	Dec-10	Feb-08	159.7	Jun-08	Feb-11	Cable laying work within the Jordon Valley Park for Shum Wan Shan Pumping Station was deferred due to longer time taken by CLP to resolve comments from relevant authority.
6153TB	Enhancement of footbridges in Tsim Sha Tsui East	Feb-08	59.6 [71.4]	Oct-08	Oct-10	Aug-08	64.6	Aug-09	Dec-11	Project commencement date was deferred as more time was required for tender assessment. The completion date was deferred due to the poor performance of the civil works contractor.
4104CD	Drainage improvement in Northern Hong Kong Island—western lower catchment works	Feb-08	373.3	May-08	Oct-12	Feb-08	296.6	Jul-08	Dec-12	Project commencement and completion dates were deferred as more time was required for tender assessment.
3415RO	District open space in Area 18, Tung Chung, Lantau	Feb-08	230.0	Jul-08	Jun-10	Mar-08	220.7	Jul-08	Mar-10	
3304EP	A 24-classroom primary school at Wylie Road, Kowloon	Feb-08	150.0 [220.0]	Mar-08	Jul-10	Jun-08	216.8	Mar-08	Feb-11	Project completion date was deferred due to the poor performance of the contractor and delay in piling works.
7734CL	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 Offices	Feb-08	120.1	Apr-08	Mar-10	Feb-08	81.8	Apr-08	Jan-10	
B407RO	District and local open spaces adjoining Choi Wan Road public housing development	Feb-08	181.6	Aug-08	Jan-10	Apr-08	179.5	Aug-08	Jan-10	
4155CD	West Kowloon drainage improvement—Lai Chi Kok drainage tunnel	Apr-08	1669.1	Jun-08	Apr-12	Dec-07	1,339.7	Nov-08	Jul-12	Project commencement and completion dates were deferred as more time was required for tender assessment.
4237DS	Tai Po Tai Wo Road sewage pumping station and rising mains	Apr-08	153.0	Jun-08	Dec-11	Mar-08	156.9	Jun-08	Dec-11	
4340DS	Port Shelter sewerage stage 3—Mang Kung Uk sewerage	Apr-08	24.1 [27.9]	Jun-08	Jul-10	Apr-08	25.6	Aug-08	Sep-12	Project commencement date was deferred as more time was required for tender assessment. Project completion was deferred due to the complication of congested and uncharted underground utilities, land resumption problem and difficult terrain within villages, necessitating re-design of some sewers, processing of additional land allocations and further consultation of the affected local residents.

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6025TC	Replacement of conventional traffic signals with light emitting diode (LED) traffic signals in Hong Kong	Apr-08	140.3	Sep-08	Jul-12	Sep-08	56.5	Feb-09	Sep-12	Project commencement date was deferred due to re-scheduling of tendering dates for Phase 1 works to cope with the process of prequalifying tenderers, which was longer than scheduled. Owing to the complexity of the Phase 3 contract, the related works would be completed in the Q3 of 2012.
6746TH	Reconstruction and improvement of Tuen Mun Road	Apr-08	4620.5 [6804.3]	May-08	Apr-14	Mar-08	5,478.0	Oct-08	Dec-14	Project commencement date was deferred as more time was required for the tender procedure. Project completion date was deferred due to the time taken to apply for increase in APE as a result of higher tender price of the contract for the Eastern section.
3346EP	Extension to Sheng Kung Hui Mung Yan Primary School at King Fung Path, Tuen Mun	Apr-08	75.3 [85.5]	May-08	Jul-10	May-08	79.5	May-08	Aug-10	Construction of transformer room by term contractor started in May 2008. Commencement and completion dates of Main Contract were deferred due to the excess of tender price over APE. Application for increase in APE was required.
8053EF	1 500-place student hostel	Apr-08	338.2 [466.4]	2008Q2	2010Q3	Apr-08	373.4	Aug-08	Mar-12	Project commencement and completion dates were deferred due to site difficulties.
6801TH	Widening of Tuen Mun Road at Tsing Tin Interchange	Apr-08	60.6	May-08	Nov-09	Feb-08	55.9	Jun-08	Jan-10	Project completion date was deferred due to additional time required for diversions of the unforeseen underground utilities in order to facilitate the construction works.
3027NM	General improvement to Fa Yuen Street Market and Cooked Food Centre	Apr-08	47.6	Aug-08	Nov-09	May-08	45.2	Aug-08	Aug-09	
3261RS	Sports centre in Area 28A, Fanling/Sheung Shui	Apr-08	249.5 [360.0]	Sep-08	Feb-11	Apr-08	322.9	Dec-08	Jul-11	Project commencement and completion dates were deferred due to the excess of tender price over APE. Application for increase in APE was required.
6051TR	Shatin to Central Link—design and site investigation	May-08	2407.5	Aug-08	2010	Aug-08	2,407.5	Nov-08	Dec-14	It took longer-than-expected time to finalize the entrustment agreement, resulting in deferral of the works start date. For the completion date, having started the design works and extensive local consultation work in end 2008, the design programme was reviewed taking into account the suggestions and requests raised by stakeholders and the interface with other infrastructure projects. The design works are now planned for completion in phases with all design works to be completed in December 2014.
7726CL	Review studies on North East New Territories new development areas—consultants' fees and site investigation	May-08	54.2	Jun-08	Jun-11	Jan-08	26.1	Jun-08	Jun-12	Project completion date was deferred as more time was required to address diverse public views gathered in the public engagement and to resolve complicated technical and policy issues on land resumption, compensation, clearance and rehousing.
5044CG Note 3	Greening master plans for Kowloon West and Hong Kong Island—works for Mong Kok, Yau Ma Tei, Sheung Wan, Wan Chai and Causeway Bay	May-08	126.0	Sep-08	Dec-09	May-08	86.6	Aug-08	Dec-09	
4156CD	Drainage improvement in Ki Lun Tsuen, Ma Tso Lung, Ying Pun, Shek Tsai Leng and Sha Ling in New Territories	May-08	221.7	Aug-08	Oct-10	May-08	166.9	Nov-08	Apr-11	Project commencement and completion dates were deferred as more time was required for tender assessment. Taking account of the additional time required for removal of the abandoned water pipe, the works completion date in Sha Ling was deferred to April 2011.

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3190SC	Tseung Kwan O Complex in Area 44, Tseung Kwan O	May-08	530.9	Oct-08	May-11	Jun-08	519.7	Oct-08	May-11	
3058RE	Reprovisioning of Pak Tin Public Library	May-08	36.1	Jun-08	Jan-13	NA ^{Note 2}	15.7	Jun-08	Jan-13	
3345EP	An 18-classroom primary school at Pak Fuk Road, North Point	May-08	131.6 [137.7]	Jun-08	Jul-10	Aug-08	131.0	Jun-08	Aug-10	Demolition of existing building by term contractor started in June 2008. Commencement and completion dates of Main Contract were deferred due to the excess of tender price over APE. Application for increase in APE was required.
3265ES	Extension of Lai Chack Middle School at Scout Path, Kowloon	May-08	80.7 [100.0]	Jan-09	Jun-10	Sep-08	95.3	Jul-09	Mar-11	Project commencement date was deferred due to the excess of tender price over APE and application for increase in APE was required. Project completion date was deferred due to the additional time required to resolve various complex site issues, more time taken for additional loading test on piles to verify the uncertainty from the core test result, and the poor performance of the contractor.
3347EP	A 24-classroom primary school at phase 4, Shek Kip Mei Redevelopment, Sham Shui Po	May-08	148.1 [192.0]	Nov-08	Jul-10	Jul-08	183.7	Dec-08	Aug-10	Project commencement and completion dates were deferred due to the excess of tender price over APE. Application for increase in APE was required.
6837TH	Hong Kong–Zhuhai–Macao Bridge Hong Kong boundary crossing facilities—investigation and preliminary design	Jun-08	86.9	Jul-08	May-10	Mar-08	50.7	Jul-08	May-11	The consultancy under this project has been substantially completed. Project completion date was extended to carry out additional preliminary study for Marine Park in the Brothers Islands in order to fulfill the conditions of the Environmental Permit issued in November 2009.
6835TH	Hong Kong–Zhuhai–Macao Bridge preconstruction works	Jun-08	46.6	mid-2008	Jul-09	Aug-08	26.3	Sep-08	Oct-10	Project completion date was deferred. The consultancy under the item was required to carry out physical model study on the flood control and impact on ports and navigation channels in Pearl River Estuary arising from the Hong Kong-Zhuhai-Macao Bridge (HZMB). Upon receipt of comments from relevant Mainland authorities on preliminary model results and concurrent preliminary design of the HZMB Main Bridge, longer time was required by the Mainland consultants to refine the physical models.
3006GA	HKSAR's Participation in the World Exposition 2010 Shanghai China—Hong Kong Pavilion	Jun-08	145.4	Dec-08	Jan-11	Jun-08	135.5	Dec-08	Jan-11	
4157CD	Improvement of Fuk Man Road nullah in Sai Kung	Jun-08	95.8	Dec-08	Nov-11	Apr-09	49.8	Aug-09	May-12	Project commencement and completion dates were deferred as more time was required for preparation of tender.
8015QJ	Redevelopment of the Hong Kong Sports Institute	Jun-08	1707.5	2008Q4	2011Q3	Oct-08	1,430.2	Mar-09	2013Q4	The anticipated overall works period will be lengthened by more than two years mainly due to additional time for conducting detailed condition survey before the commencement of Contract 1; inclement weather during works period of Contract 1; additional rounds of pre-qualification exercise for Contract 2; unforeseeable technical difficulties in the construction of the first-ever international-grade concrete velodrome; and additional float time allowed for Contracts 3 and 4 for sorting out potential difficulties having regard to the experience of Contracts 1 and 2.
7717CL	Tseung Kwan O further development—site formation and infrastructure works at Pak Shing Kok	Jun-08	250.0	Jan-09	Oct-12	Jan-09	148.3	Mar-09	Oct-12	Project commencement date was deferred due to longer time required for tendering. Completion date remained unchanged.

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8088EB	Redevelopment of Concordia Lutheran School at Tai Hang Tung Road, Sham Shui Po	Jun-08	179.1	Jul-08	Aug-11	Jun-08	142.2	Sep-08	Feb-12	Project commencement date was deferred due to longer time taken in preparing tender documentation for foundation works. Longer construction period has been allowed for foundation contract and main contract in the light of (a) noise control to the existing school which are still in use during construction period; (b) complex topographical condition of the site; and (c) complexity and extensive renovation works to the existing school building.
6052TR	Hong Kong section of Guangzhou–Shenzhen–Hong Kong Express Rail Link—design and site investigation	Jul-08	2782.6	Jun-08	Sep-10	Feb-08	2,560.5	Jul-08	Jun-12	Project commencement and completion dates were deferred due to longer-than-expected discussion between MTRCL and the Mainland side on the electrical & mechanical design standard.
8003MR	Expansion of Tseung Kwan O Hospital	Jul-08	1944.9	Jul-08	Mar-13	Jul-08	1,457.1	Aug-08	Mar-13	The initial preparatory work was slightly deferred to suit hospital's decanting arrangement. Completion date remains unchanged.
3262ES	Secondary school at development near Choi Wan Road and Jordan Valley, Kwun Tong	Jul-08	172.4 [179.6]	Oct-08	Jul-10	Jun-08	167.5	Dec-08	Aug-10	Project commencement and completion dates were deferred due to the excess of tender price over APE. Application for increase in APE was required.
3104ET	A direct subsidy scheme school (secondary-cum-primary) in Area 13, Yuen Long	Jul-08	242.9 [276.7]	Nov-08	Aug-10	Aug-08	259.9	Dec-08	Aug-10	Project commencement date was deferred due to the excess of tender price over APE. Application for increase in APE was required. Completion date remained unchanged.
3299EP	A 24-classroom primary school in Area 55, Tuen Mun	Jul-08	163.5	Nov-08	Jul-11	Nov-08	140.3	Nov-08	Jul-11	
3300EP	A 30-classroom primary school in Area 55, Tuen Mun	Jul-08	219.8	Nov-08	Jul-11	Nov-08	166.2	Nov-08	Jul-11	
3105ET	Extension to Jockey Club Elaine Field School, the Spastics Association of Hong Kong in Area 9, Tai Po	Jul-08	84.1 [91.0]	Nov-08	Jul-10	Aug-08	86.5	Feb-09	Aug-10	Project commencement and completion dates were deferred due to the excess of tender price over APE. Application for increase in APE was required.
8066MM	Provision of a general out-patient clinic, an integrated community mental health support services centre and a long stay care home in Tin Shui Wai Area 109	Jul-08	430.2	Jun-09	Dec-11	Nov-08	342.2	Jun-09	Dec-11	
7324TH	Widening of Yeung Uk Road between Tai Ho Road and Ma Tau Pa Road	Jul-08	163.3	Oct-08	Aug-11	Jul-08	120.0	Oct-08	Aug-11	
3011NT	Conversion of aqua privies into flushing toilets—phase 5	Jul-08	189.6	Nov-08	mid-2010	Nov-08	127.0	Nov-08	May-10	
7721CL	Kau Hui development—engineering works in Area 16, Yuen Long, phase 2—extension of Road L3	Jul-08	33.4	Nov-08	Jan-11	Jul-08	26.7	Oct-08	Nov-10	

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4158CD	Drainage improvement in Southern Hong Kong Island—package 1	Jul-08	28.0	Nov-08	Jan-11	Jan-09	29.2	Mar-09	Mar-11	Project commencement and completion dates were deferred as more time was required to review the design in order to address the public's concern before tendering.
9013WS	Salt water supply system for Pok Fu Lam area	Jul-08	268.0	Dec-08	Dec-11	Jun-09	190.7	Oct-09	Dec-12	Project commencement and completion dates were deferred due to the need for re-tendering.
3419RO	Aldrich Bay Park	Jul-08	115.6 [135.2]	Feb-09	Nov-10	Sep-08	135.2	May-09	Feb-11	Project commencement and completion dates were deferred due to the excess of tender price over APE. Application for increase in APE was required.
3267ES	Conversion of a primary school premises in Area 104, Tin Shui Wai to support reprovisioning of a secondary school	Jul-08	92.6	Nov-08	Jun-10	Jul-08	84.0	Nov-08	May-10	
3055RE	A permanent planning and infrastructure exhibition gallery at City Hall Annex	Jul-08	253.7	Sep-08	Jun-12	Jul-08	202.5	Jul-08	Jun-12	
9186WC	Replacement and rehabilitation of water mains, stage 3	Jul-08	5550.0	Aug-08	Dec-13	Apr-08	4,543.9	Sep-08	Dec-13	Project commencement date was slightly deferred as more time was required for tender assessment. Anticipated completion date remains unchanged.
9190WC	Replacement and rehabilitation of water mains, stage 4—investigation and detailed design	Jul-08	198.4	Oct-08	mid-2011	Jul-08	94.4	Sep-08	Jun-12	Project completion date was deferred as more time was required to resolve complicated interfacing issues and to suit the latest construction programme.
9327WF	Laying of western cross harbour main and associated land mains from West Kowloon to Sai Ying Pun	Jul-08	354.5	Dec-08	Dec-11	Dec-08	354.8	Sep-09	Dec-11	Project commencement date was deferred by nine months as revision in design was required to incorporate the latest interface with the Guangzhou-Shenzhen-Hong Kong Express Rail Link and other associated land issues. Anticipated completion date remains unchanged.
4109CD	Drainage improvement works in Shuen Wan, Tai Po	Nov-08	252.7	Jan-09	Jan-12	Sep-09	153.0	Feb-10	Aug-13	Project commencement and completion dates were deferred due to the time taken for re-tendering the first contract and the extra time required for repackaging the second contract.
4365DS	Tolo Harbour sewerage of unsewered areas, stage 1 phase 2C	Nov-08	381.4	Jan-09	Dec-12	Oct-08	302.6	Feb-09	Feb-13	Project commencement and completion dates were deferred due to the extra time taken for resolving objections lodged against the sewerage schemes before inviting tender.
4364DS	Lam Tsuen Valley sewerage—trunk sewers, pumping station and rising mains	Nov-08	162.8	Dec-08	Sep-12	Aug-08	102.0	Feb-09	Oct-12	Project commencement and completion dates were deferred as more time was required for tender assessment.
4366DS	Kau Lung Hang sewerage—trunk sewers, pumping station and rising mains	Jan-09	103.2	Jan-09	Nov-12	Aug-08	66.6	Feb-09	Nov-12	Project commencement date was deferred as more time was required for tender assessment. Anticipated completion date remains unchanged.
5014GB	Liantang/Heung Yuen Wai Boundary Control Point and associated works—investigation and preliminary design	Jan-09	89.0	Apr-09	Dec-11	Jan-09	67.1	Apr-09	Dec-11	

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9045WS	Salt water supply for Northwest New Territories—remaining works	Jan-09	808.4	May-09	Dec-14	Jan-09	588.7	May-09	Dec-14	
4367DS	Upgrading of Central and East Kowloon sewerage—phase 1	Jan-09	304.7	Jan-09	Jun-12	Oct-08	200.0	Jan-09	Jun-12	
7811TH	Ping Ha Road improvement—remaining works (Ha Tsuen section)	Jan-09	137.0	Mar-09	Sep-11	Dec-08	99.9	Mar-09	Jul-11	
7826TH	Cross Bay Link, Tseung Kwan O—investigation and preliminary design	Jan-09	59.1	Mar-09	May-11	Sep-08	36.1	Mar-09	May-12	Project completion date was deferred to synchronize with the public engagement programme of the Tseung Kwan O - Lam Tin Tunnel study.
7827TH	Tseung Kwan O—Lam Tin Tunnel—investigation and preliminary design	Jan-09	198.9	Mar-09	May-11	Sep-08	37.0	Mar-09	Aug-12	Project completion date was deferred as more time was required for public engagement activities.
8031EA	Redevelopment of St Rose of Lima's School at Embankment Road and Duke Street, Kowloon	Jan-09	241.9	Jan-09	Aug-11	Dec-08	136.7	Feb-09	Aug-11	Project commencement date was deferred as the School took longer time to complete the tendering exercise. Anticipated completion date remains unchanged.
8049EF	Student amenity centre	Jan-09	206.5	2009Q2	2011Q3	Jan-09	54.5	Mar-09	Jun-12	Project completion date was deferred due to site difficulty, the need to modify the design for tree protection and longer time required for services diversion.
8020EH	Baptist University Road campus development	Jan-09	945.1	2009Q2	2012Q3	Dec-08	667.5	May-09	Aug-12	
3263RS	Improvement works for Mong Kok Stadium	Apr-09	275.5	Jul-09	Jul-11	May-09	252.4	Sep-09	Sep-11	Project commencement and completion dates were deferred due to additional time required to resolve design issues arising from the PWSC meeting.
3264RS	Swimming pool complex in Area 1 (San Wai Court), Tuen Mun	Feb-09	791.4	May-09	Mar-12	Jan-09	544.4	May-09	Mar-12	
7718CL	Ma On Shan development—roads, drainage and sewerage works at Whitehead and Lok Wo Sha phase 1	Feb-09	219.7	May-09	Aug-11	Mar-09	114.4	Jun-09	Oct-11	Project commencement date was deferred due to longer time required for tendering process. Completion date was deferred due to the complication of unforeseen sub-soil conditions during road construction.
8029EA	Redevelopment of Sheng Kung Hui St. James' Primary School at Kennedy Road, Wan Chai	Feb-09	200.8	Mar-09	Aug-12	Jan-09	30.0	Mar-09	Dec-12	Demolition works were deferred due to inclement weather and insufficiency of contractor's manpower and equipment.
8030EA	Redevelopment of Diocesan Girls' Junior School at Jordan Road, Kowloon	Feb-09	163.0	Apr-09	Aug-11	Jan-09	145.6	Apr-09	Aug-11	
8089EB	Redevelopment of Diocesan Girls' School at Jordan Road, Kowloon	Feb-09	208.6	Apr-09	Aug-11	Jan-09	183.0	Apr-09	Aug-11	

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8004QR	Hong Kong–Zhuhai–Macao Bridge—funding support for preliminary design and site investigation for the Main Bridge	Feb-09	233.5	Apr-09	-	Dec-08	209.9	Mar-09	Mar-11	
6843TH	Widening of Tolo Highway between Island House Interchange and Tai Hang	Feb-09	4486.9	May-09	Apr-13	Feb-09	4,253.7	Aug-09	Dec-13	Project commencement and completion dates were deferred due to extension of tendering periods as requested by tenderers.
9338WF	Mainlaying along Fanling Highway and near She Shan Tsuen, stage 1	Feb-09	52.6	May-09	May-13	NA ^{Note 2}	34.9	Feb-10	Oct-14	Project commencement and completion dates were deferred to tie-in with the programme of another highway project.
3057RE	Conversion of Yau Ma Tei Theatre and Red Brick Building into a Xiqu Activity Centre	Feb-09	186.7	Jul-09	Sep-11	Mar-09	135.6	Jul-09	Sep-11	
3013NB	Re-provisioning of Wo Hop Shek Crematorium	Feb-09	686.3	Jul-09	Apr-12	Mar-09	535.3	Jul-09	Apr-12	
5729CL	Disposal of contaminated sediment—dredging, management and capping of sediment disposal facility at Sha Chau	Feb-09	770.9	Jun-09	Jul-16	Mar-09	387.2	Jun-09	Jul-16	
B653TH	Road improvement works in association with the proposed realignment of Ngau Tau Kok Fourth Street and Fifth Street and construction of nearby footbridge links	Apr-09	96.1	Jun-09	Jun-12	Jan-09	51.9	Jul-09	Oct-12	Project commencement and completion dates were deferred due to slippage in clearing the tenants before demolition of the housing blocks.
8010EL	New academic building	Apr-09	668.5	2009Q3	2011Q4	Aug-09	482.8	Dec-09	Mar-12	Project commencement and completion dates were deferred as more time was required for tendering.
8012EL	Institute for Advanced Study	Apr-09	187.2	2009Q3	2011Q4	Aug-09	121.7	Dec-09	Mar-12	Project commencement and completion dates were deferred as more time was required for tendering.
8026EK	Phase 8 development	Apr-09	1337.4	2009Q2	2012Q3	Mar-09	1,135.0	Aug-09	Aug-12	Project commencement date was deferred for completing the statutory process before tendering for the underpass works. Anticipated completion date remains unchanged.
8054EG	Centennial Campus, phase 1	Apr-09	1099.8	2009Q3	2012Q3	May-09	877.7	Sep-09	Mar-12	
8055EG	Centennial Campus, phase 2	Apr-09	937.4	2009Q3	2012Q3	May-09	747.7	Sep-09	Mar-12	
4348DS	North District and Tolo Harbour sewerage, sewage treatment and disposal—regional sewerage works, part 1—sewerage upgrade	Apr-09	793.2	Jun-09	Dec-13	May-09	497.8	Jul-09	Dec-13	Project commencement date was deferred as more time was required for tender assessment. Anticipated completion date remains unchanged.

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7735CL	Planning and engineering study on development of Lok Ma Chau Loop—consultants' fees and site investigation	Apr-09	33.7	Jun-09	Apr-12	Feb-09	25.2	Jun-09	May-12	Study completion date was deferred by the additional requirement to endorse the proposals by Hong Kong-Shenzhen Joint Task Force on Boundary District Development before stage 1 public engagement in Hong Kong and Shenzhen would start.
7743CL	Tseung Kwan O further development—infrastructure works for Tseung Kwan O stage I landfill site (phase I)	Apr-09	168.9	Aug-09	Dec-11	Jul-09	128.9	Dec-09	Apr-12	Project commencement and completion dates were deferred due to longer time required for tendering.
7842TH	Tsuen Wan Bypass, widening of Tsuen Wan Road between Tsuen Tsing Interchange and Kwai Tsing Interchange and associated junction improvement works—detailed design	Apr-09	46.9	Sep-09	Nov-11	May-09	28.0	Oct-09	Dec-12	Project commencement date was deferred as longer time was taken in the consultants selection process. Regarding the completion date, more time was taken in consulting Tsuen Wan and Kwai Tsing District Councils on the revised layout. Moreover, longer time would be required for reviewing the environmental impact assessment report completed under the preliminary design assignment and to take into account the proposed revisions in the project layout.
6805TH	Retrofitting of noise barriers on Fanling Highway (MTR Fanling Station to Wo Hing Road)	Apr-09	247.1	Sep-09	Aug-12	Jul-10	177.8	Nov-10	Aug-13	Project commencement and completion dates were deferred to allow for more time to prepare the tender for the works.
6807TH	Retrofitting of noise barriers on Fanling Highway (Po Shek Wu Road to MTR Fanling Station)	Apr-09	506.9	Sep-09	Aug-12	May-09	330.8	Oct-09	Oct-12	Project commencement and completion dates were deferred due to extension of the tendering period as requested by tenderers.
8052EF	Centralized general research laboratory complex (block 1) in Area 39	Apr-09	455.8	2009Q3	2012Q1	Jul-09	397.4	Oct-09	Jan-12	Project commencement date was slightly deferred due to longer time required for tendering. Anticipated completion date remains unchanged.
8054EF	Two integrated teaching buildings	Apr-09	741.8	2009Q2	2012Q2	Apr-09	122.5	Jun-09	Sep-12	Project completion date was deferred due to inclement weather and site difficulty.
8024EJ	Academic and administration building	Apr-09	888.5	2009Q3	2012Q3	Aug-09	753.8	Oct-09	Sep-12	Project commencement date was slightly deferred due to longer time required for tender assessment. Anticipated completion date remains unchanged.
8005EU	New academic block and student hostel	Apr-09	216.0	2009Q2	2011Q3	Apr-09	186.3	Jul-09	Dec-11	Project commencement and completion dates were deferred due to longer time required for tender assessment and site difficulty.
3052RG	Lam Tin North Municipal Services Building	May-09	708.5	Nov-09	Jun-12	Jun-09	513.3	Nov-09	Jun-12	
4368DS	Yuen Long South sewerage and expansion of Ha Tsuen sewage pumping station	May-09	550.8	Aug-09	Sep-13	May-09	424.9	Sep-09	Oct-13	Project commencement and completion dates were slightly deferred due to longer time required for tender assessment.
5046CG Note 4	Greening master plans for Kowloon West, Kowloon East and Hong Kong Island—works for remaining urban areas	May-09	466.0	Sep-09	Jul-11	May-09	240.6	Aug-09	Jul-11	

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9339WF	Expansion of Tai Po water treatment works and ancillary raw water and fresh water transfer facilities—design and site investigation	May-09	43.4	Jun-09	Mar-11	Mar-09	35.0	Jun-09	Jun-12	The consultancy under this item was required to carry out the detailed design and the pre-qualification of tenderers for the subsequent construction stage. Completion date was deferred to cope with the latest schedule of construction of the works.
8003QR	Hong Kong–Zhuhai–Macao Bridge—funding support for Main Bridge	May-09	9046.5	end 2009	2015/ 2016	Oct-09	2,953.6	Dec-09	Dec-16	
6839TH	Hong Kong–Zhuhai–Macao Bridge Hong Kong boundary crossing facilities—detailed design and site investigation	May-09	621.9	Sep-09	Jun-12	Jun-09	276.9	Jul-09	Nov-12	Project completion date was deferred due to additional time required for implementing the Hong Kong Boundary Crossing Facilities International Design Ideas Competition before proceeding to detailed design of the project's superstructures.
7741CL	Kai Tak development—stage 1 advance infrastructure works for developments at the southern part of the former runway	May-09	539.6	Jul-09	Dec-13	Apr-09	407.3	Sep-09	Dec-13	Project commencement date was slightly deferred as more time was taken for tender assessment. Anticipated completion date remains unchanged.
7739CL	Kai Tak development—stage 1 infrastructure works at north apron area of Kai Tak Airport	May-09	566.5	Jul-09	Dec-13	Apr-09	354.0	Jul-09	Dec-13	
7738CL	Kai Tak development—detailed design and site investigation for Kai Tak approach channel and Kwun Tong typhoon shelter improvement works	May-09	50.0	Jul-09	Jan-11	Jun-09	28.3	Aug-09	Mar-15	Project commencement date was slightly deferred due to longer time required for consultants selection process. Completion date was also deferred due to revised implementation approach of the proposed works.
7740CL	Kai Tak development—detailed design and site investigation for remaining infrastructure works for developments at the former runway	May-09	32.0	Jul-09	Oct-12	Jun-09	13.7	Aug-09	Sep-14	Completion date of the detailed design was deferred to cope with the progress of the bio-remediation works at Kai Tak Approach Channel.
7841TH	Trunk Road T2—investigation and design	Jun-09	133.6	Oct-09	early 2012	Jun-09	50.5	Jul-09	Nov-13	Completion of the consultancy was deferred to suit the latest implementation programme of the construction works.
5045CG	District Cooling System at the Kai Tak development	Jun-09	1671.0	Apr-10	mid-2021	Aug-10	-	Feb-11	Dec-26	The original tenders for the project exceeded the approved estimate and was cancelled in Aug 2010. Under the revised procurement strategy, tenders for Phase I and Phase II works were invited and returned in Sep 2010 and Nov 2010 respectively. As the returned tender prices for Phases I and II and the estimated contract sum for Phase III exceed the APE, EMSD obtained PWSC' endorsement in Jan 2011 and proceed to seek FC's approval for the increase in APE. Subject to the approval, the Phase I and II works would commence in Feb and Mar 2011 respectively.
8013EL	701-place student residences	Jun-09	201.3	2009Q3	2012Q1	Mar-10	185.4	Oct-10	Aug-12	Project commencement and completion dates were deferred due to the need to resubmit plans for extensive slope upgrading works for approval.
8023EJ	Student hostel, phase 4 (700 places)	Jun-09	182.0	2009Q3	2011Q4	Jul-09	164.8	Oct-09	Dec-11	Project commencement date was deferred slightly due to longer time required for tendering. Anticipated completion date remains unchanged.

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7271RS	Cycle tracks connecting North West New Territories with North East New Territories—Sheung Shui to Ma On Shan section	Jun-09	230.3	Sep-09	Jul-12	Feb-10	138.9	May-10	Mar-13	Project commencement and completion dates were deferred due to the need for re-tendering of the contract.
7715CL	Tseung Kwan O further development—infrastructure works at Town Centre South and Tiu Keng Leng, Tseung Kwan O	Jun-09	546.7	Sep-09	Mar-12	Jun-09	335.0	Sep-09	Mar-12	
4236DS	Tai Po sewage treatment works, stage 5 phase 2B	Jun-09	659.0	Jan-10	Sep-13	Sep-09	292.5	Jan-10	Sep-13	
5233DS	Sludge treatment facilities	Jun-09	5154.4	Feb-10	2016	Oct-09	4,961.4	Oct-10	Nov-14	Project commencement date was deferred as more time was required for tendering and the subsequent tender assessment. Anticipated completion date in November 2014 reflected the contractor's latest programme to complete phase 2 works at an earlier date.
6819TH	Traffic improvements to Tuen Mun Road Town Centre section	Jun-09	1814.4	Dec-09	Dec-13	Aug-09	1,548.0	Dec-09	Dec-13	
6157TB	Centre Street escalator link (stage 1)	Jun-09	60.7	Sep-09	Apr-12	Jun-09	44.0	Sep-09	Apr-12	
3015GB	Construction of a secondary boundary fence and new sections of primary boundary fence and boundary patrol road—phase 1	Jun-09	395.5	2009Q4	2012Q4	Sep-09	269.7	Dec-09	Dec-12	
3421RO	District open space in Area 37, Tseung Kwan O	Jun-09	140.6	Jan-10	Jan-12	Aug-09	101.7	Dec-09	Jan-12	
3422RO	Local open space in Area 25, Fanling/Sheung Shui	Jun-09	51.3	Jan-10	Jan-12	Aug-09	48.3	Dec-09	Jan-12	
3053RG	Sports centre and community hall in Area 101, Tin Shui Wai	Jun-09	629.8	Nov-09	Jun-12	Jul-09	419.3	Nov-09	Jun-12	
3245RS	Conversion of secondary pool of Lai Chi Kok Park Swimming Pool into indoor heated pool	Jun-09	166.7	Feb-10	Jun-12	Sep-09	130.9	Feb-10	Jun-12	
3266RS	Redevelopment of Victoria Park Swimming Pool Complex	Jun-09	1197.7	Aug-09	Dec-14	Jul-09	983.8	Jul-09	Dec-14	
8050EF	Extension to the existing University Library at Central Campus	Jun-09	251.7	2009Q4	2011Q4	Jun-09	220.7	Jul-09	Dec-11	

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8027EK	Innovation Tower	Jun-09	621.5	2009Q3	2012Q2	Aug-09	514.1	Aug-09	Jun-12	
4369DS	Harbour Area Treatment Scheme, stage 2A—construction of the sewage conveyance system and advance works for upgrading of Stonecutters Island sewage treatment works	Jun-09	9286.5	Jul-09	Sep-14	Dec-08	7,267.0	Jul-09	Sep-14	
4370DS	Village sewerage at Wang Chau of Yuen Long	Jun-09	219.2	Jul-09	Jun-13	Mar-09	125.8	Jul-09	Jun-13	
4357DS	Sewage interception scheme in Kowloon City	Jun-09	700.3	Jul-09	Jul-12	Feb-09	453.3	Jul-09	Jul-12	
8001QR	West Island Line—funding support	Jul-09	12252.0	Jul-09	end 2014	Jan-09	10,552.0	Jul-09	Aug-14	
6055TR	West Island Line—essential public infrastructure works	Jul-09	103.6	Mar-10	end 2014	Jan-09	76.8	Jun-10	Aug-14	It took longer-than-expected time to finalize the entrustment agreement, which was executed on 15 June 2010, resulting in deferral of the project commencement date. Anticipated completion date will be advanced.
6579TH	Central–Wan Chai Bypass and Island Eastern Corridor Link	Jul-09	28104.6	end 2009	early 2017	Oct 2009	10,834.4	Dec-09	Sep-17	Project completion date was deferred to cater for longer construction time of the deeper ventilation building basement due to the additional air purification system.
7677CL	Wan Chai development phase 2, engineering works	Jul-09	4642.7	Dec-09	Jun-17	Aug-09	2,199.9	Dec-09	Jun-17	
7067GI	Development of Government Helipad at the Hong Kong Convention and Exhibition Centre	Jul-09	59.1	Dec-09	Dec-11	Aug-09	45.5	Jan-10	Dec-11	Project commencement date was deferred as more time was required for tendering. Anticipated completion date remains unchanged.
9043WS	Uprating of Wan Chai salt water supply system	Jul-09	271.1	Nov-09	Dec-14	Nov-09	53.5	Aug-10	Dec-14	Project commencement date was deferred due to the need for re-tender. Design and Build type of contract was originally used for the mainlaying works. However, as no valid tenders were received, the exercise had to be cancelled. With Central Tender Board's approval, the conventional in-house design and site supervision approach was adopted for the re-tender. Anticipated completion date remains unchanged.
6028TC	Speed Map Panels in the New Territories	Jul-09	70.9	Jan-10	Apr-12	Sep-09	74.5	Jan-10	Jan-12	
6836TH	Improvement to Sham Tseng Interchange	Jul-09	99.6	Sep-09	Sep-13	NA ^{Note 2}	66.5	Aug-09	Sep-13	
3012NT	Conversion of aqua privies into flushing toilets—phase 6	Jul-09	221.1	Nov-09	mid-2011	Nov-09	163.0	Nov-09	May-11	


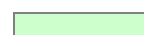
Item no.	Project title	Date of funding approval by Finance Committee (FC)	Approved project estimate (APE) (\$M) [Note 1]	Original scheduled commencement date in PWSC paper	Original scheduled completion date in PWSC paper	Date of tender invitation	Accumulative value of contracts awarded (\$M)	Date of commencement	Actual / anticipated project completion date	Remarks
3060JA	Construction of rank and file quarters for Immigration Department at Wo Yi Hop Road, Kwai Chung	Jul-09	275.0	Apr-10	Jul-12	Jul-09	266.2	Mar-10	Jul-12	
7705CL	Hang Hau Tsuen Channel at Lau Fau Shan	Jul-09	91.2	Dec-09	Jun-13	Sep-09	70.1	Dec-09	Dec-12	
3061JA	Redevelopment of departmental quarters for Customs and Excise Department at Tsing Chau Street and Lee Kung Street, Hung Hom	Jul-09	275.0	Sep-09	Aug-12	Sep-09	250.1	Sep-09	Aug-12	
3263ES	Second secondary school at development near Choi Wan Road and Jordan Valley, Kwun Tong	Jul-09	248.0	Nov-09	Jul-11	Jul-09	207.9	Nov-09	Jul-11	
3344EP	A 30-classroom primary school at development near Choi Wan Road and Jordan Valley, Kwun Tong	Jul-09	189.9	Dec-09	Aug-11	Sep-09	168.1	Dec-09	Aug-11	
3330EP	A 24-classroom primary school at the junction of Victoria Road and Pok Fu Lam Road, Pok Fu Lam	Jul-09	255.6	Jan-10	Feb-12	Oct-09	197.8	Nov-09	Feb-12	
8028EK	Student hostel, phase 3	Jul-09	522.1	2009Q3	2012Q2	Aug-09	405.2	Nov-09	May-12	Project commencement date was deferred due to longer time required for tender assessment. Anticipated completion date remains unchanged.
4329DS	Upgrading of Pillar Point sewage treatment works	Jul-09	1360.9 [1920.5]	Oct-09	Feb-13	Feb-09	1,664.5	Jul-10	Nov-13	Project commencement and completion dates were deferred due to longer time taken to complete the tendering exercise and seek approval for increase in APE.
4371DS	Sewerage in western Tuen Mun	Jul-09	1340.0	Dec-09	Jun-14	Jul-09	711.0	Dec-09	Jun-14	
3017NB	Provision of a columbarium and garden of remembrance at Kiu Tau Road, Wo Hop Shek	Jul-09	629.5	Dec-09	Jul-12	Sep-09	433.0	Nov-09	Jul-12	
8069MM	Relocation of Siu Lam Hospital to Block B of Castle Peak Hospital	Jul-09	320.3	Aug-09	Jun-11	Jul-09	226.1	Jul-09	Jun-11	
3051RG	Redevelopment of Kwun Tong Swimming Pool Complex and Kwun Tong Recreation Ground	Jul-09	1323.8	Dec-09	Dec-14	Jul-09	1,099.3	Nov-09	Dec-14	
8001QW	Revitalisation Scheme— Conversion of Old Tai O Police Station into Tai O Heritage Hotel	Jul-09	66.7	Jan-10	Jun-11	Sep-09	46.22	Mar-10	Sep-11	Project commencement and completion dates were deferred as longer time was taken for tender assessment.

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7736CL	Site formation for Kai Tak cruise terminal development	Nov-09	2303.9	Dec-09	end 2015	Jul-09	1,340.0	Nov-09	Dec-15	
6159TB	Reconstruction of footbridge near Hsin Kuang Centre and extension of bus bays at Lung Cheung Road	Nov-09	83.8	Dec-09	Dec-11	Aug-09	45.3	Jan-10	Jan-12	Project commencement and completion dates were deferred as longer time was required to handle the tender assessment.
3016NB	Reprovisioning of Cape Collinson Crematorium	Dec-09	696.3	Jul-10	Dec-14	Feb-10	690.8	Jun-10	Dec-14	
8051EF	An integrated teaching building	Dec-09	176.0	2010Q1	2012Q1	Jan-10	154.8	Mar-10	Apr-12	Project completion date was slightly deferred as more time was needed to arrange for the main contract.
6053TR	Hong Kong section of Guangzhou–Shenzhen–Hong Kong Express Rail Link—construction of railway works	Jan-10	55017.5	Dec-09	2015	Jun-09	22,725.2	Jan-10	Jul-15	The item was finally approved by FC on 16 Jan 2010 and therefore the commencement date was deferred to Jan 2010 accordingly. Anticipated completion date remains unchanged.
6057TR	Hong Kong section of Guangzhou–Shenzhen–Hong Kong Express Rail Link—construction of non-railway works	Jan-10	11800.0	Dec-09	2015	Jun-09	2,202.3	Jan-10	Jul-15	The item was finally approved by FC on 16 Jan 2010 and therefore the commencement date was deferred to Jan 2010 accordingly. Anticipated completion date remains unchanged.
8063MM	North Lantau Hospital, phase 1	Jan-10	2482.0	Jan-10	Dec-12	Apr-09	2,092.9	Jan-10	Dec-12	
3049FS	Extension of Man Kam To food inspection facilities	Jan-10	176.1	Jul-10	Dec-12	Feb-10	157.4	Jul-10	Dec-12	
6076TI	Bus–bus interchanges on Tuen Mun Road	Feb-10	162.3	Apr-10	Apr-13	Feb-10	144.9	Jul-10	Apr-13	Project commencement date was deferred as longer time was required to complete the tender assessment exercise. Anticipated completion date remains unchanged.
3030LJ	Additional courtrooms and associated facilities in the High Court Building	Feb-10	50.9	Jul-10	Dec-11	Mar-10	30.7	Jul-10	Dec-11	
3106ET	Special school in Area 16, Tuen Mun, for students with physical disability	Feb-10	260.4	Jun-10	Feb-12	Feb-10	238.5	Jun-10	Feb-12	
3171BF	Development of Aberdeen fire station-cum-ambulance depot	Feb-10	177.2	Jun-10	Jun-13	Feb-10	155.8	Jun-10	Jun-13	
3054RG	Town park, indoor velodrome-cum-sports centre in Area 45, Tseung Kwan O	Feb-10	1129.7	Mar-10	Apr-13	Sep-09	1,091.6	Mar-10	Apr-13	

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3176SC	Joint-user complex at Bailey Street, To Kwa Wan Reclamation	Feb-10	476.4	Jul-10	Feb-13	Mar-10	403.5	Jul-10	Feb-13	
9343WF	Expansion of Tai Po water treatment works and ancillary raw water and fresh water transfer facilities—part 1 works	Feb-10	259.9	Feb-10	Sep-11	Sep-09	188.9	Feb-10	Sep-11	
3049RG	Public library and indoor recreation centre in Area 3, Yuen Long	Feb-10	704.1	Jul-10	Jun-13	Mar-10	155.5	Jul-10	Jun-13	
4341DS	Harbour Area Treatment Scheme, stage 2A—upgrading of Stonecutters Island sewage treatment works and preliminary treatment works	Apr-10	7913.4	Jun-10	Dec-14	Feb-10	1,983.4	Aug-10	Dec-14	Project commencement date was deferred due to extension of tender period as requested by tenderers. Anticipated completion date remains unchanged.
3007GA	Cruise terminal building and ancillary facilities for the Kai Tak cruise terminal development	Apr-10	5852.1	May-10	2013	Jul-09	5,225.3	May-10	Jun-13	
5016GB	Liantang/Heung Yuen Wai Boundary Control Point and associated works—village reprovisioning works	Apr-10	51.3	Aug-10	Feb-12	May-10	43.4	Aug-10	Feb-12	
8002QW	Revitalisation Scheme— Revitalisation of the Former Lai Chi Kok Hospital into Jao Tsung-I Academy/The Hong Kong Cultural Heritage	Jun-10	223.5	Oct-10	Jun-12	Sep-10	4.5	Jan-11	Oct-12	Project commencement and completion dates were deferred since re-tendering for main contract was required as original returned tender prices were higher than budget allowed.
3059RE	Construction of an Annex Building at the Ko Shan Theatre	Jun-10	683.2	Dec-10	Jun-13	Aug-10	27.4	Nov-10	Jun-13	
7435RO	Improvement works at Tai O, phase 1	Jun-10	151.0	Jul-10	Sep-12	May-10	99.3	Aug-10	Oct-12	Project commencement and completion dates were slightly deferred since additional time was required for the recommended tenderer to clarify financial issues before the tender recommendation could be submitted to Central Tender Board for approval.
8004QW	Revitalisation Scheme— Revitalisation of Lui Seng Chun as the Hong Kong Baptist University Chinese Medicine and Healthcare Centre	Jun-10	24.7 [27.2]	Dec-10	Dec-11	Oct-10	25.0	Jan-11	Apr-12	Project commencement and completion dates were deferred due to the excess of tender price over APE. Application for increase in APE was required.
8007QW	Revitalisation Scheme— Revitalisation of Mei Ho House as City Hostel	Jun-10	209.5	Dec-10	Jul-12	Oct-10	3.2	Dec-10	Jul-12	

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4372DS	Rehabilitation and construction of trunk sewers underneath Shing Mun River Channel	Jul-10	140.0	Dec-10	Nov-15	Nov-10	0.01	Nov-10	Nov-15	
4162CD	Reconstruction and rehabilitation of Kai Tak Nullah from Po Kong Village Road to Tung Kwong Road—stage 1	Jul-10	159.4	late 2010	late 2012	Apr-10	100.2	Aug-10	Aug-12	
6059TR	Shatin to Central Link—construction of railway works—protection works in Wan Chai Development phase 2	Jul-10	152.6	Aug-10	end 2011	Aug-09	108.8	Aug-10	Dec-11	
9344WF	In-situ reprovisioning of Sha Tin water treatment works—South Works—design and site investigation	Jul-10	149.1	Sep-10	Jul-12	May-10	100.8	Aug-10	Jun-12	
8090EB	Redevelopment of St Francis' Canossian College at Kennedy Road, Wan Chai	Dec-10	315.1	early 2011	mid-2015	Dec-10	-	Mar-11	mid-2015	
4363DS	Provision of interception facilities at Jordan Valley box culvert	Dec-10	588.0	Dec-10	Jun-14	May-10	398.0	Dec-10	Jun-14	

- Notes:
1. Estimate shown in square bracket refers to increased project estimate approved by FC or FSTB under delegated authority.
 2. Works were implemented under entrustment agreement.
 3. Parts of 5035CG and 5036CG was upgraded to Cat A as 5044CG.
 4. Parts of 5035CG, 5036CG and 5040CG was upgraded to Cat A as 5046CG.
 5. 3009GB for land development of \$1.7217 billion for the construction of boundary-crossing facilities at Shenzhen Western Corridor under the "co-location" arrangement was approved by FC in Jan 2008.
 6. 8021QJ for an upfront endowment of \$21.6 billion to the West Kowloon Cultural District Authority for developing the West Kowloon Cultural District was approved by FC in Jul 2008.

- Legends:
-  Projects commenced/will commence or completed/will be completed earlier than the scheduled commencement or completion dates in PWSC papers.
 -  Projects commenced/will commence within 6 months after approval by FC, or projects were completed/will be completed within 6 months of the scheduled completion dates in PWSC papers.

**Training and Trade-testing Initiatives Implemented
by the Construction Industry Council**

(i) Enhanced construction manpower training for selected trades

- Increase the training allowance to an average of about \$5,000 per month for trainees of selected trades to be provided by the proposed funding at a total estimated cost of about \$45 million. The average duration of the course is about three months but it will depend on the trades to be included into the initiative in consultation with stakeholders.
- Employers will be encouraged to employ graduates and pay them a wage of not less than \$8,000 a month, which will be further raised to not less than \$10,000 a month after six months.
- The staff cost and other operating expenses of these training programmes will be met by CIC.
- Target number of trainees – about 3 000

(ii) Advanced training course for senior construction workers

- Provide free of charge language and basic management training courses to in-service senior construction workers to be covered by the proposed funding at an estimated total cost of about \$3 million, i.e. around \$2,000 per trainee.
- This is a completely new course to be provided free of charge to in-service senior workers to equip them with necessary language and basic management skills. This will facilitate the building up of a career ladder for senior workers to advance to the frontline supervisory/management level. Upon acquiring sufficient experience, they may take further supervisory level training courses to acquire higher qualifications or start their own business in the trades.
- CIC will be responsible for organising the advanced training course.
- Target number of trainees – about 1 500

(iii) Enhanced construction supervisor / technician training

- Increase the training allowance to \$150 a day to be provided by the proposed funding at a total estimated cost of about \$20 million. The duration of the course will be about 1 year.
- CIC will be responsible for all operating expenses for the provision of the additional training places.
- Target number of trainees – about 600

(iv) Subsidy for fees of trade tests, specified training courses (STCs) and skills enhancement courses

- Applicants of selected trade tests will be provided with a no more than \$500 fee subsidy per test.
- Provide new skills enhancement courses free of charge for workers of some trades to facilitate their taking of the trade tests. The subsidised course fees are estimated to be about \$1,000 per place.
- Target number of places – about 6 000 each for trade test and skills enhancement courses
- Applicants for selected STCs will be provided with no more than \$500 fee subsidy per course
- Target number of places – about 6 000
- While CIC will be responsible for all administrative/ operating costs related to the provision of the trade tests and STCs and the organisation of the skills enhancement courses, the subsidies for the fees of taking the trade tests and STCs as well as the skills enhancement courses are to be provided by the proposed funding.
