

CONTROLLING OFFICER'S REPLY

THB(T)027

(Question Serial No. 1974)

Head: (60) Highways Department

Subhead (No. & title): (-) Not Specified

Programme: (1) Capital Projects

Controlling Officer: Director of Highways (K K LAU)

Director of Bureau: Secretary for Transport and Housing

Question:

Regarding the estimates of the Highways Department (HyD) for 2016-17, 228 capital projects will be undertaken by consultants, involving approximately \$224.9 billion. Please provide the following –

- (a) a breakdown of the projects by consultants over the past three years, including the names of the consultants, the project costs, the consultant fees payable and the anticipated dates of completion;
- (b) a list of the projects undertaken by consultants over the past three years ending in overrun or delay with cause, overrun amount and length of delay; and
- (c) the criteria which the Government adopts to decide whether a project should be undertaken by in-house staff or a consultant.

Asked by: Hon Gary FAN Kwok-wai (Member Question No. 13)

Reply:

- (a) The capital projects undertaken by consultants for detailed design and/or supervision of construction works in the past three years are listed in the following table –

Project Title	Responsible consultant	Approved Project Estimate (APE) (\$ million)	Consultancy fee (\$ million)	Anticipated / Actual Completion Date
Retrofitting of noise barriers on Fanling Highway (MTR Fanling Station to Wo Hing Road)	Meinhardt Infrastructure and Environment Limited	247.1	2.68	December 2013 (Actual)
Retrofitting of noise barriers on Fanling Highway (Po Shek Wu Road to MTR Fanling Station)		506.9		February 2013 (Actual)
Retrofitting of noise barriers on Tai Po Tai Wo Road near Po Nga Court	Mannings (Asia) Consultants Limited	96.6	1.86	May 2014 (Actual)
Retrofitting of noise barriers on Tuen Mun Road (Town Centre Section)	Mannings (Asia) Consultants Limited	826.5	2.91	mid-2019 (Anticipated)
Extension of footbridge network in Tsuen Wan - Footbridge A along Tai Ho Road	AECOM Consulting Services Limited	169.0	5.90	April 2013 (Actual)
Provision of barrier-free access (BFA) facilities at public footbridges, elevated walkways and subways - design works and Phase 1 construction works	Mannings (Asia) Consultants Limited	292.1	2.09	January 2016 (Actual) (for construction works)
Central-Wan Chai Bypass and Island Eastern Corridor Link	AECOM Asia Company Limited	36,038.9	138.70	Under review
Widening of Tolo Highway/Fanling Highway between Island House Interchange and Fanling - Stage 2	Hyder-Arup-Black & Veatch Joint Venture	4,320.0	13.40	2019 (Anticipated)
Reconstruction and improvement of Tuen Mun Road	AECOM Asia Company Limited	6,804.3	41.88	December 2014 (Actual)

Project Title	Responsible consultant	APE (\$ million)	Consultancy fee (\$ million)	Anticipated / Actual Completion Date
Traffic improvements to Tuen Mun Road Town Centre section	AECOM Asia Company Limited	1,967.9	10.50	February 2014 (Actual)
Improvement to Sham Tseng Interchange	AECOM Asia Company Limited	99.6	2.78	January 2014 (Actual)
Widening of Tolo Highway between Island House Interchange and Tai Hang	Hyder-Arup-Black & Veatch Joint Venture	4,486.9	26.90	March 2014 (Actual)
Hong Kong-Zhuhai-Macao Bridge (HZMB) - Hong Kong Link Road	Ove Arup & Partners Hong Kong Ltd.	25,047.2	40.00	end-2017 (Anticipated)
HZMB - Hong Kong boundary crossing facilities - reclamation and superstructures	Ove Arup & Partners Hong Kong Ltd. & AECOM Asia Company Limited	35,895.0	354.72	end-2017 (Anticipated)
Tuen Mun-Chek Lap Kok (TM-CLK) Link - construction works	AECOM Asia Company Limited	44,798.4	108.00	end-2018 (Anticipated)
Bus-bus interchanges on Tuen Mun Road	AECOM Asia Company Limited	205.3	1.95	July 2013 (Actual)
Road improvement works for West Kowloon Reclamation Development (Phase 1)	Parsons Brinckerhoff (Asia) Limited	845.8	3.28	mid-2018 (Anticipated)
Dualling of Hiram's Highway between Clear Water Bay Road and Marina Cove and improvement to local access to Ho Chung	Meinhardt Infrastructure and Environment Limited	1,774.4	5.30	end-2020 (Anticipated)

Note:

The above are the active Category A projects undertaken by consultants for detailed design and/or supervision of construction works, forming part of the 228 capital projects in 2016 (Estimate). Other projects (such as Category D projects) are not listed. Compilation of information pertaining to all the 228 projects will require lengthy preparation.

- (b) The active capital projects in the past three years undertaken by consultants which involve increase in the APE are listed in the following table –

Project Title	Original APE (\$ million)	Latest APE (\$ million)	Difference (\$ million)
Central-Wan Chai Bypass and Island Eastern Corridor Link	28,104.6	36,038.9	7,934.3
Reconstruction and improvement of Tuen Mun Road	4,620.5	6,804.3	2,183.8
Traffic improvements to Tuen Mun Road Town Centre section	1,814.4	1,967.9	153.5
HZMB - Hong Kong Link Road	16,189.9	25,047.2	8,857.3
HZMB - Hong Kong Boundary crossing facilities - reclamation and superstructures	30,433.9	35,895.0	5,461.1
Bus-bus interchanges on Tuen Mun Road	162.3	205.3	43.0

The reasons for increasing the APE include higher than expected tender prices, increase in provision for price adjustment, expansion of project scope, etc.

The capital projects undertaken by consultants which are ongoing or substantially completed in the past three years with the actual/anticipated completion date later than the original target completion date in the relevant Public Works Subcommittee (PWSC) papers or under review are listed in the following table –

Project Title	Original target completion date in PWSC paper	Actual/ Anticipated Completion Date
Bus-bus interchanges on Tuen Mun Road	Second quarter of 2013	July 2013 (Actual)
Retrofitting of noise barriers on Fanling Highway (MTR Fanling Station to Wo Hing Road)	August 2012	December 2013 (Actual)
Retrofitting of noise barriers on Fanling Highway (Po Shek Wu Road to MTR Fanling Station)	August 2012	February 2013 (Actual)
Extension of footbridge network in Tsuen Wan - Footbridge A along Tai Ho Road	January 2012	April 2013 (Actual)
Widening of Tolo Highway between Island House Interchange and Tai Hang	April 2013	March 2014 (Actual)
Traffic improvements to Tuen Mun Road Town Centre section	December 2013	February 2014 (Actual)
Retrofitting of noise barriers on Tai Po Tai Wo Road near Po Nga Court	December 2013	May 2014 (Actual)

Project Title	Original target completion date in PWSC paper	Actual/ Anticipated Completion Date
Reconstruction and improvement of Tuen Mun Road	September 2014	December 2014 (Actual)
Provision of BFA facilities at public footbridges, elevated walkways and subways - design works and Phase 1 construction works	mid-2014 (for construction works)	<i>Note</i>
Central-Wan Chai Bypass and Island Eastern Corridor Link	2017	Under review
Widening of Tolo Highway/Fanling Highway between Island House Interchange and Fanling - Stage 2	2018	2019 (Anticipated)
HZMB - Hong Kong Link Road	end-2016	end-2017 (Anticipated)
HZMB - Hong Kong boundary crossing facilities - reclamation and superstructures	end-2016	end-2017 (Anticipated)
TM-CLK Link - construction works	Southern Connection end-2016	Southern Connection end-2017 (Anticipated)
	Northern Connection end-2018	Northern Connection end-2018 (Anticipated)

Note:

For this project, six structures were completed by mid-2014; two structures were completed in October 2014, with the remaining two structures completed in August 2015 and January 2016 respectively.

The reasons for a later actual/anticipated completion date as compared with the original target completion date include more than expected inclement weather, difficult ground conditions, technical difficulties adjacent to existing traffic, more extensive utility diversion encountered during construction, unstable supply of materials, design revision to address the additional requests, and longer than expected time for land resumption and clearance.

- (c) Outsourcing to consultants would be considered when there is a shortage of manpower resources or necessary in-house expertise. Outsourcing to consultants can provide the HyD with the flexibility to respond rapidly to changing demands.

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