

For Information

Legislative Council Panel on Transport

Fortress Hill Pedestrian Link

PURPOSE

This paper informs Members of our proposal to upgrade **156TB** – Fortress Hill Pedestrian Link (the Project) to Category A for the construction of a pedestrian link adjacent to the Fortress Metro Tower from King’s Road level up to the existing unnamed road between Fortress Garden and Clementi Secondary School (the unnamed road) at the Fortress Hill mid level to facilitate the residents and students in the area.

PROJECT SCOPE

2. The scope of **156TB** includes the design and construction of –
 - (a) two lifts in a single lift tower of approximately 14 metres (m) in height between King’s Road at the foothill level and the platform of the existing stairway at the mid-height of the slope beside Fortress Metro Tower (the platform);
 - (b) a covered one-way escalator of approximately 45 m in length between the platform and the unnamed road, and a stair lift¹ fitted to the maintenance staircase alongside the escalator;
 - (c) covers to the existing stairway and footpath; and
 - (d) associated works including slope works, stairway modifications and diversion of the affected utilities.

A site plan and a photomontage for the proposed works are at **Enclosure 1 and 2** respectively.

JUSTIFICATION

¹ A stair lift is an electrically operated lifting platform fitted on the wall of a staircase for transporting wheelchair users to commute between the top and bottom levels of the staircase.

3. Fortress Hill is a hilly area bounded by King's Road at the foothill level where the Fortress Hill Mass Transit Railway (MTR) Station, tram stations and stops for some 40 bus routes as well as mini-bus stops are sited and Tin Hau Temple Road at the mid-level where many residential buildings and a few educational institutions are located.

4. Apart from Fortress Hill Road, connecting the foothill and mid-level area is a stairway which rests on a high vertical slope adjacent to the Fortress Metro Tower leading from King's Road to the unnamed road (see site plan at the **Enclosure 1**). In view of its convenient location, residents and students in the vicinity make frequent use of this stairway. The pedestrian survey conducted by the Transport Department in May 2004 indicated that during weekdays / school days there were about 2 000 pedestrian trips up and 7 000 pedestrian trips down the stairway daily.

5. The stairway is without a cover and has a level difference of some 26 m and is about 90 m in length. Climbing up this long and steep stairway, particularly during adverse weather conditions, is a taxing experience.

6. In line with our policy objective to place more emphasis on pedestrian facilities, we propose to construct a pedestrian link in situ. The lowest flight of the existing stairway will be modified to make way for the construction of the lift tower. We will also take the opportunity to provide covers to the existing stairway as well as the footpath at King's Road from the entrance/exit of the Fortress Hill MTR Station to the proposed lift tower and the existing stairway.

7. We expect that the enhanced pedestrian link will attract additional users and the estimated pedestrian flow is 14 000 pedestrian trips two-way per day.

FINANCIAL IMPLICATIONS

8. We estimate the cost of this project to be \$ 23.8 million in money-of-the-day (MOD) prices, made up as follows –

	\$ million
(a) Lifts	7.3
(i) civil works	3.3

		\$ million	
(ii) electrical and mechanical (E&M) works	4.0		
(b) Covered escalator		9.2	
(i) civil works	4.0		
(ii) E&M works	5.2		
(c) Provision of cover		2.7	
(d) Slope works, utilities diversion and stairway modification		3.6	
(e) Contingency		2.1	
	Sub-total	24.9	(in September 2003 prices)
(f) Provision for price adjustment		(1.1)	
	Total	23.8	(in MOD prices)

9. We estimate the annual recurrent expenditure upon completion of the project to be \$ 1.3 million.

10. We estimate that the proposed works will create about 35 jobs (30 for labourers and another five for professional/technical staff) providing a total employment of 400 man-months.

ENVIRONMENTAL IMPLICATIONS

11. The project is a non-designated project under the Environmental Impact Assessment Ordinance and will not cause long term environmental impact. We will include in the construction contract the requirement for implementing suitable mitigation measures for controlling the environmental impacts during construction, such as noise reduction, dust suppression, solid waste management and waste water control. The estimated cost of these mitigation measures is \$500,000 and we have included this under the project estimate.

12. The proposed pedestrian link may involve the removal of 15 trees. All trees to be removed are not important trees². No compensatory planting proposal is included as the space available after the construction of the pedestrian link will be very limited and is not suitable for planting.

² Important trees refer to trees on the Register of Old and Valuable Trees, and any other trees which meet one or more of the following criteria –

- (a) trees over 100 years old;
- (b) trees of cultural, historical or memorable significance;
- (c) trees of precious or rare species;
- (d) trees of outstanding form; or
- (e) trees with trunk diameter exceeding one metre (measured at one metre above ground level).

PUBLIC CONSULTATION

13. We consulted the Eastern District Council on 19 February 2004. Members supported the project. Some members raised concern over the possible noise nuisance caused by the pedestrian flow along the proposed escalator to the adjacent Fortress Metro Tower. In view of the concern, we will provide translucent louvre panels along the side of the escalator facing the Fortress Metro Tower to minimise the possible noise nuisance. The Owners' Committee of Fortress Metro Tower agreed to this proposal.

14. We gazetted the project under the Roads (Works, Use and Compensation) Ordinance (the Ordinance) on 6 February 2004. No objection was received during the statutory objection period. The Permanent Secretary for the Environment, Transport and Works (Environment and Transport), under delegated authority from the Secretary for the Environment, Transport and Works, authorised the Project under the Ordinance and the notice of authorisation was gazetted on 30 April 2004.

LAND ACQUISITION

15. The proposed works do not require land acquisition.

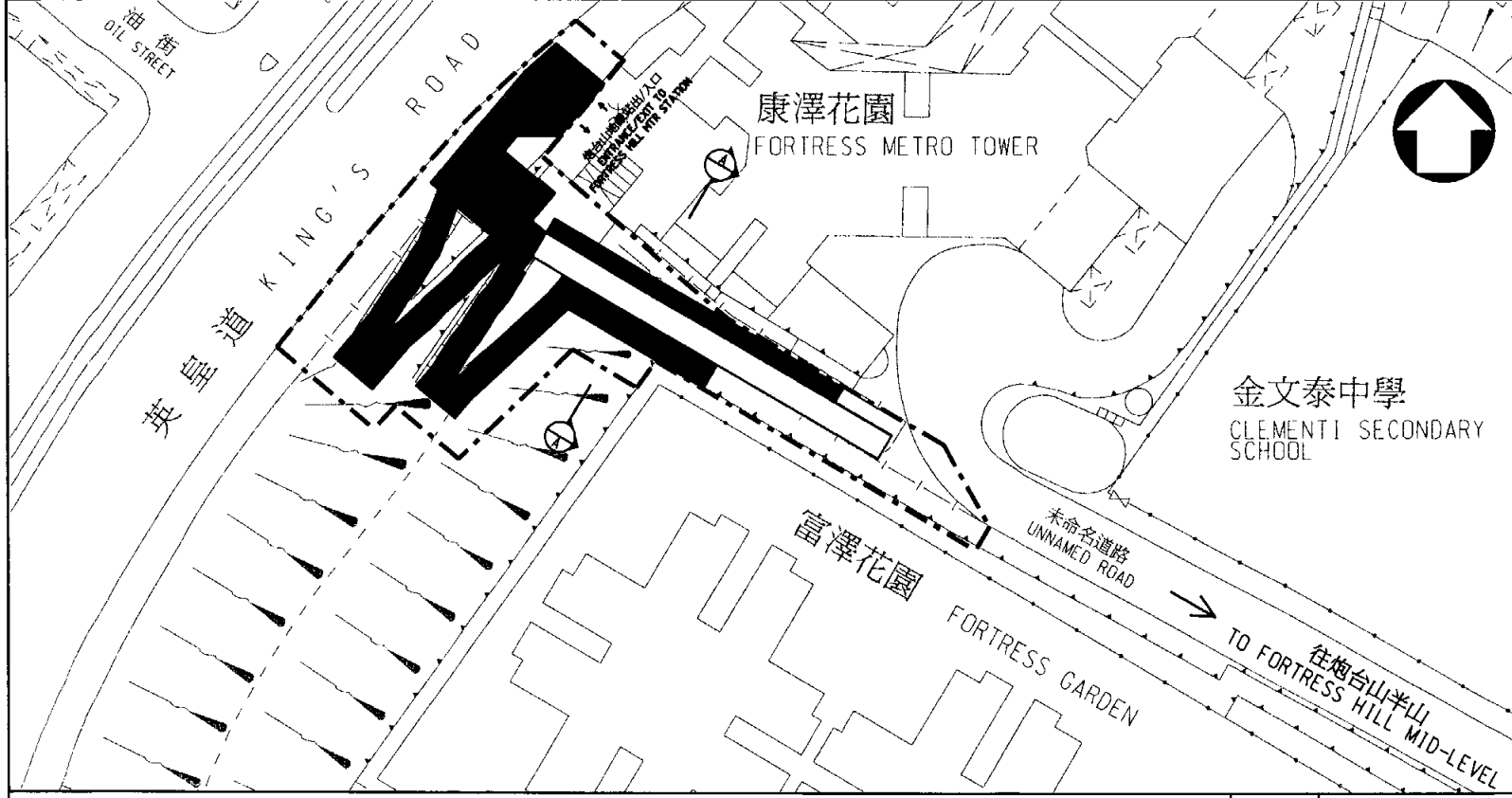
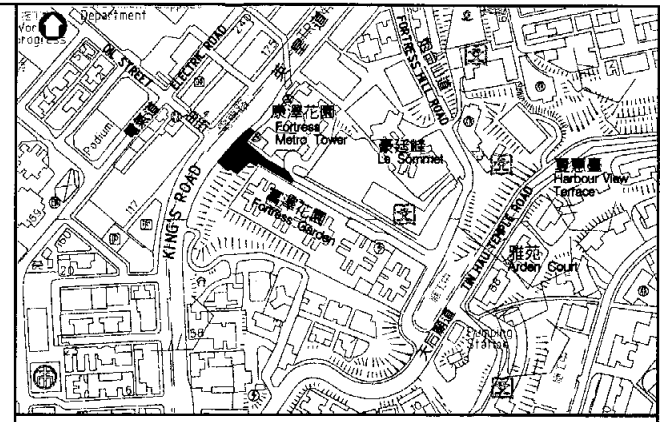
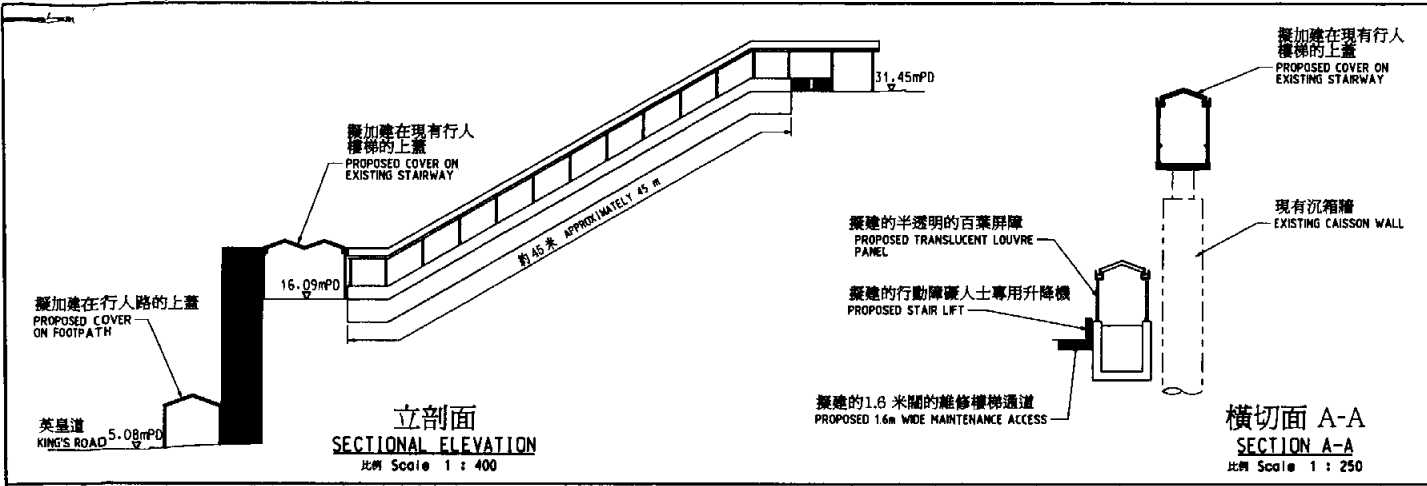
THE WAY FORWARD

16. We intend to submit the funding proposal to the Public Works Subcommittee and the Finance Committee of the Legislative Council in June 2004. Subject to funding approval, we plan to start the design and construction of the Project in December 2004 for completion in December 2006.

ADVICE SOUGHT

17. Members are invited to note the content of this paper.

Environment, Transport and Works Bureau
May 2004



- 註釋 NOTES :**
所有水平皆以米為單位, 並在香港主水平基準之上。
ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM (mPD).
- 圖例 LEGEND :**
- 施工界限
LIMIT OF WORKS AREA
 - 改動後的有蓋樓梯
MODIFIED STAIRWAY WITH COVER
 - 擬加建在行人路的上蓋
PROPOSED COVER ON FOOTPATH
 - 擬建的升降機結構大樓
PROPOSED LIFT TOWER
 - 擬加建在現有行人樓梯的上蓋
PROPOSED COVER ON EXISTING STAIRWAY
 - 擬建的上蓋自動電梯
PROPOSED COVERED ESCALATOR
 - 擬建的1.6米闊的維修樓梯通道及行動障礙人士專用升降機
PROPOSED 1.6m WIDE MAINTENANCE ACCESS WITH STAIR LIFT
 - 擬建的半透明的百葉屏障
PROPOSED TRANSLUCENT LOUVRE PANEL
 - ⊠ 擬建的升降機
PROPOSED LIFT

圖則名稱 drawing title
工務計劃項目第156TB號
炮台山行人連接系統 - 工地平面圖
PWP ITEM No.156TB
FORTRESS HILL PEDESTRIAN LINK - SITE PLAN

設計 designed	SIGNED Y.W. CHAN (E/HK3-3)	日期 date 7.5.04
繪圖 drawn	SIGNED Y.K. TSE (TOT(C)4-3)	日期 date 7.5.04
覆核 checked	SIGNED Y.W. CHAN (E/HK3-3)	日期 date 18.5.04
批准 approved	SIGNED C.M. TANG (SE/HK3)	日期 date 18.5.04

no.	date	description	initial
圖號 drawing no.		HHHC10401-SK0003	比例 scale 1 : 500 或 Or 顯示 AS shown
工程處 WORKS DIVISION			
		HIGHWAYS	路政署
		DEPARTMENT	



Highways Department
(Works Division)

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工務計劃項目第156TB號
炮台山行人連接系統 - 橫剖面
PWP ITEM No. 156TB
FORTRESS HILL PEDESTRIAN LINK - PHOTOMONTAGE

附件 2
Enclosure 2

Drawing No.:
HSCH/1048-MC0008

Date:
May 2004