

**Legislative Council Panel on Transport
Public Works Sub-committee**

**Sha Tin New Town, Stage II –
Road D15 linking Lok Shun Path and Tai Po Road**

Supplementary Information

PURPOSE

This paper informs members of the outcome of the discussion of the captioned project at the Legislative Council Panel meeting on 15 February 2001.

SUMMARY OF THE DISCUSSION

2. Members generally supported the project. The discussion focused on the possible environmental impact of the project and Members requested for the following supplementary information -

- (a) appearance of Road D15 after completion;
- (b) number of trees to be felled and number of trees to be planted;
- (c) traffic noise generated by Road D15; and
- (d) type of road surface materials to be used.

THE ADMINISTRATION'S RESPONSE

Appearance of Road D15 after completion

3. Road D15 will be an elevated structure. When viewed from Royal Ascot, the road will have a relatively minor impact upon the site. A photomontage of the completed roadwork is at Enclosure 1.

Number of trees to be felled and number of trees to be planted

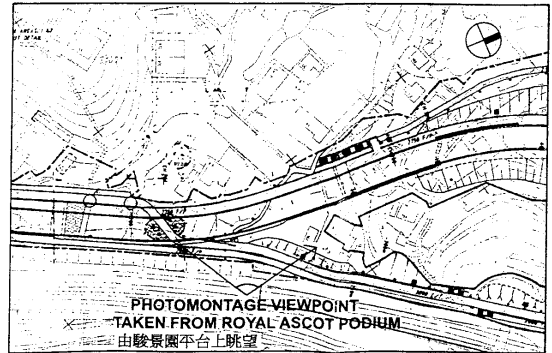
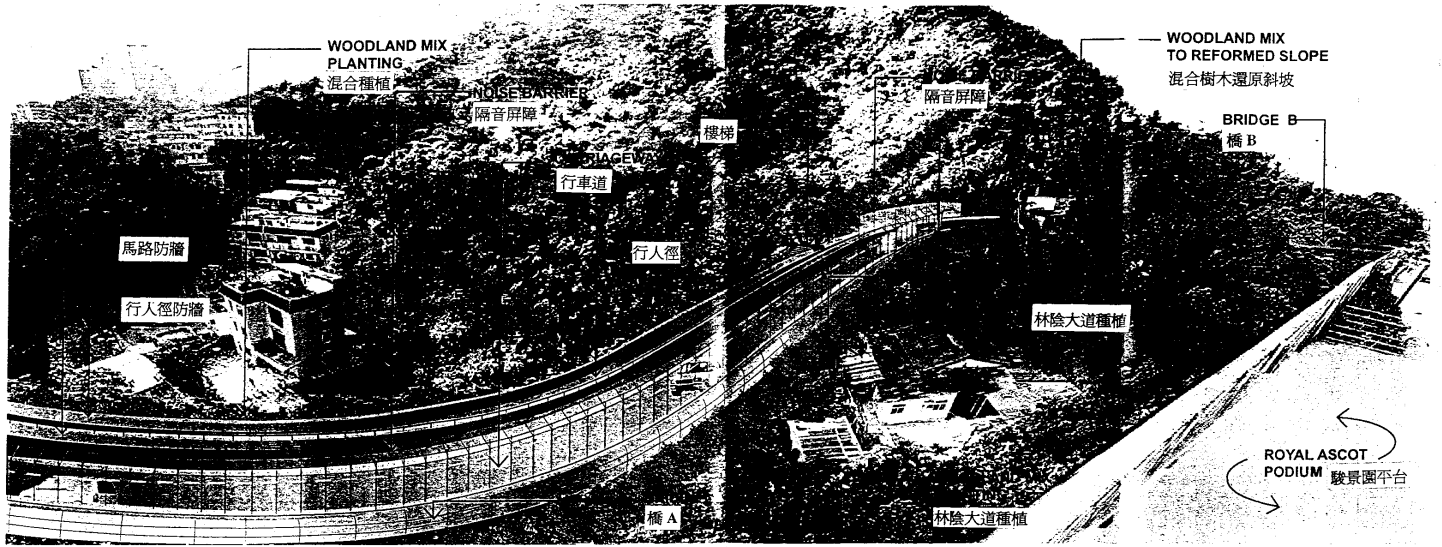
4. The project will need to fell 219 number of trees, of which six are native trees (4m to 8m high). These six trees will be transplanted. In addition, 6,900 number of trees and 43,400 number of shrubs and groundcover will be planted.

Traffic noise generated by Road D15

5. The traffic noise levels at noise sensitive receivers are summarized in the Table at Enclosure 2. With the implementation of the noise mitigation measures, the projected noise levels will comply with the guideline of 70dB(A) at Lok Lo Ha Village and Royal Ascot.

Type of road surface materials to be used

6. Bituminous materials will be used for the road surface to reduce the traffic noise. A typical cross section of the flexible pavement of the road is shown at Enclosure 3. Special noise reduction surfacing is not suitable for use on roads such as Road D15 with gradients steeper than 2% and tight bends.



D15 道路建成後的合成照片
 Photomontage for the Completed Road D15

KEY PLAN N.T.S. 位置圖 (不按比例)

交通噪音水平 Traffic Noise Level

		現有情況 Existing Situation	噪音消滅後 After Noise Mitigation		
噪音敏感 受體	樓層	交通噪音水平 (分貝(A)) Traffic Noise level dB(A)	交通噪音水平 (分貝(A)) Traffic Noise level dB(A)		
		現有道路 Existing Road	新路 D15 New Road D15	現有道路 Existing Road	總體 Overall
NSR ID	Floor				
F1	1	70.9	44.5	70.2	70.2
	5	70.8	46.9	70.2	70.2
	10	70.1	47.8	69.4	69.5
	14	69.5	48.8	68.8	68.8
F2*	1	65.7	49.7	65.2	65.3
	3	76.6	54.9	76.1	76.2*
	5	76.2	55.2	75.7	75.8*
F5	G	61.2	66.6	45.1	66.6
	1	62.5	69.2	48.4	69.2
F6	G	62.4	63.6	61.6	65.7
	2	63.8	66.3	62.8	67.9
F8	G	59.8	58.1	51.6	59.0
	2	57.8	61.1	53.2	61.8
F9	G	54.7	54.4	47.5	55.2
	2	52.7	56.7	48.7	57.3
F10	G	64.4	63.8	47.3	63.9
	2	64.2	68.4	60.8	69.1
F11	G	54.4	61.0	39.7	61.0
	2	56.3	68.6	49.0	68.6
F12	G	63.9	59.9	61.2	63.6
	2	61.8	65.9	61.1	67.2
F13	G	62.7	59.8	59.3	62.6
	2	60.3	64.5	59.2	65.7
F14	G	59.5	55.3	52.6	57.2
	2	57.3	60.0	53.7	60.9
F18	1	47.7	60.0	47.3	60.3
	5	49.0	62.9	48.5	63.1
	10	51.0	64.4	50.6	64.6
	15	52.0	66.1	51.6	66.3
	20	52.7	66.7	52.3	66.8
	25	53.8	68.4	53.4	68.6
	30	54.2	69.2	53.8	69.3
	35	54.7	68.8	54.3	68.9
	40	54.6	68.5	54.2	68.7
F19	1	52.5	64.5	52.0	64.7
	5	55.3	65.8	54.8	66.1
	10	56.6	66.5	56.1	66.9
	15	58.7	67.1	58.2	67.6
	20	59.7	67.8	59.2	68.3
	25	60.0	68.7	59.4	69.1
	30	59.9	70.0	59.4	70.3
	35	60.0	69.7	59.4	70.1
	40	60.0	69.3	59.5	69.7
42	60.0	69.2	59.5	69.6	

交通噪音水平 Traffic Noise Level

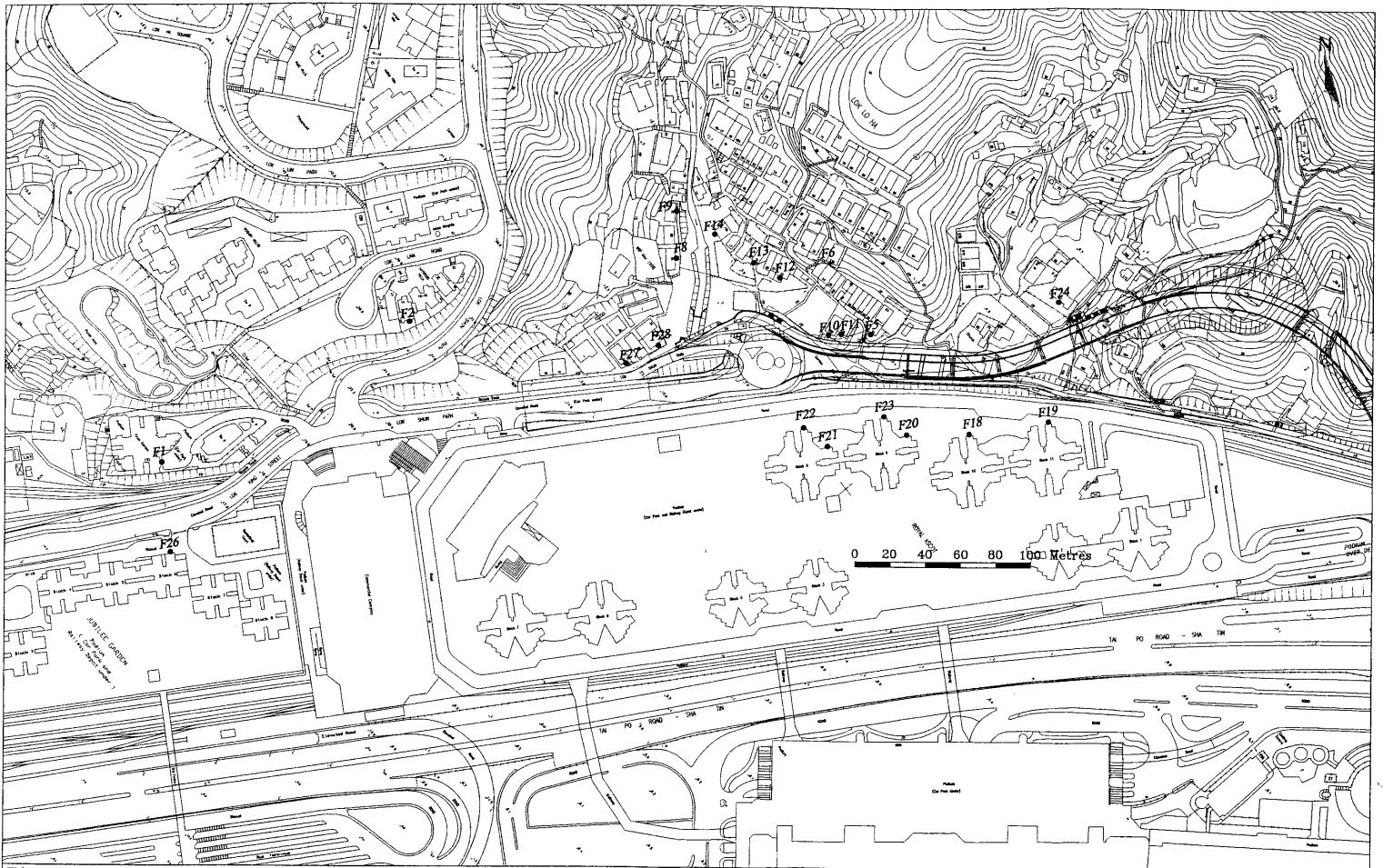
		現有情況 Existing Situation	噪音消減後 After Noise Mitigation		
噪音敏感 受體	樓層	交通噪音水平 (分貝(A)) Traffic Noise level dB(A)	交通噪音水平 (分貝(A)) Traffic Noise level dB(A)		
		現有道路 Existing Road	新路 D15 New Road D15	現有道路 Existing Road	總體 Overall
NSR ID	Floor				
F20	1	不受現有道路影響 Not affected by existing road	58.1	不受現有道路影響 Not affected by existing road	58.1
	5		62.9		62.9
	10		63.9		63.9
	15		64.3		64.3
	20		65.6		65.6
	25		67.5		67.5
	30		67.1		67.1
	35		66.7		66.7
	40		66.5		66.5
	42		66.3		66.3
F21	1	44.9	47.2	44.5	49.1
	5	43.2	51.6	42.8	52.1
	10	46.6	59.2	46.2	59.4
	15	47.8	61.0	47.4	61.1
	20	48.6	61.4	48.2	61.6
	25	48.6	61.4	48.2	61.6
	30	48.4	61.8	48.0	62.0
	35	48.2	62.5	47.8	62.6
	40	48.0	62.3	47.6	62.5
	42	48.0	62.2	47.6	62.4
F22	1	55.6	55.7	55.1	58.4
	5	61.0	60.1	60.4	63.3
	10	65.2	65.6	64.6	68.1
	15	66.0	67.0	65.4	69.3
	20	65.6	66.9	65.0	69.1
	25	65.2	66.6	64.6	68.8
	30	64.8	66.3	64.2	68.4
	35	64.4	66.0	63.8	68.1
	40	64.0	65.7	63.5	67.7
	42	63.9	65.5	63.3	67.6
F23	1	53.5	58.2	53.0	59.4
	5	57.3	62.3	56.8	63.4
	10	62.3	65.4	61.7	66.9
	15	62.8	66.5	62.3	67.9
	20	62.6	67.5	62.0	68.6
	25	62.3	67.1	61.8	68.2
	30	62.1	67.0	61.5	68.1
	35	61.8	67.6	61.2	68.5
	40	61.5	67.2	61.0	68.1
	42	61.4	67.1	60.9	68.0
F24	G	40.6	60.9	39.8	60.9
	1	41.6	62.9	41.0	62.9
F26*	1	74.8	38.6	74.1	74.1*
	5	73.4	41.7	72.8	72.8*
	10	72.1	44.3	71.5	71.5*
	20	70.3	49.8	69.7	69.7
	30	69.0	50.2	68.4	68.4
	35	68.5	50.3	67.8	67.9


交通噪音水平 Traffic Noise Level

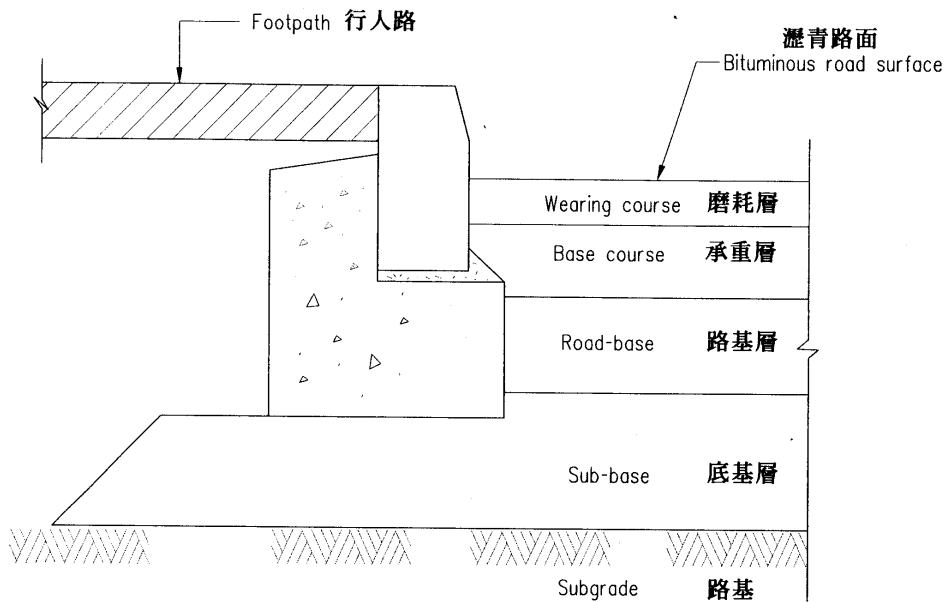
		現有情況 Existing Situation	噪音消滅後 After Noise Mitigation		
噪音敏感 受體	樓層	交通噪音水平 (分貝(A)) Traffic Noise level dB(A)	交通噪音水平 (分貝(A)) Traffic Noise level dB(A)		
		現有道路 Existing Road	新路 D15 New Road D15	現有道路 Existing Road	總體 Overall
NSR ID	Floor				
F27*	G	65.1	57.4	63.6	64.5
	2	73.4	60.2	70.5	70.9*
F28	G	67.9	59.7	61.7	63.8
	2	71.3	63.0	68.1	69.3

* 在噪音敏感受體 F2, F26 及 F27 部分樓層的現有交通噪音水平是超過 70 分貝 (A)。新建成的 D15 號道路不會增加其噪音水平。新增的消滅噪音措施將可以幫助輕微改善噪音敏感受體 F2, F26 及 F27 的環境。


* The existing traffic noise levels at some of the floors of NSR F2, F26 and F27 are above 70 dB(A). The completed new Road D15 would not increase the noise level at these locations. The new noise mitigation measures can help to slightly improve the environment of NSR F2, F26 and F27.



<p>Title</p>	<p>Sha Tin New Town, Stage II - Road D15 Linking Lok Shun Path and Tai Po Road 沙田新市鎮第 II 階段工程 - 連接樂信徑及大埔公路的 D15 號道路 Location of Representative Noise Sensitive Receivers 代表性噪音敏感受體的位置</p>	<p>Scale 1 : 2000</p>	<p>Project No. A12800</p>	
		<p>Date Dec 2000</p>	<p>Figure No. 2.1</p>	



典型路面切面
TYPICAL PAVEMENT SECTION

圖則名稱 drawing title				工程項目編號 PWP Item No. 554TH	
沙田新市鎮第II階段 - 連接樂信徑及大埔公路的D15號道路 - 典型路面切面 SHA TIN NEW TOWN - STAGE II ROAD D15 LINKING LOK SHUN PATH AND TAI PO ROAD - TYPICAL PAVEMENT SECTION				繪圖 drawn C S LAU	簽署 initial <i>CS</i>
				日期 date 20.2.2001	比例 scale 不依比例 NTS
				核對 checked K M MAK	簽署 initial <i>KM</i>
				日期 date 20.2.2001	圖則編號 drawing no. STZ0100
				核准 approved	簽署 initial <i>KM</i>
				日期 date	辦事處 office 新界東拓展處 NT EAST DEVELOPMENT OFFICE
				 拓展署 TERRITORY DEVELOPMENT DEPARTMENT	