

This section describes the identification of flyovers which throughout the Territory are considered as potential sources of adverse levels of traffic noise.

A total of 48 flyovers on Hong Kong Island and 140 flyovers throughout Kowloon and the New Territories were considered during this coarse screening process. All of these flyovers are listed in *Annex A*.

3.1 THE SELECTION CRITERIA

The three criteria which were used to select flyovers for further consideration were:

- ***The location of the flyover:*** Flyovers which are located within Central Business Districts (CBDs) and industrial areas were screened out of the review as commercial and industrial developments are not considered as NSRs.
- ***The use of noise mitigation measures:*** Flyovers which have already been provided with direct technical remedies to reduce noise levels were screened out of the review.
- ***The completion of an Environmental Impact Assessment (EIA):*** Road traffic noise is a key environmental aspect of a new flyover, and is investigated during an EIA. Where mitigation measures are identified as necessary, they are incorporated into the design and construction of the flyover. Flyovers which have been, or will in 1997 be, subject to an EIA were therefore excluded from further consideration.

These three selection criteria were applied to each of the 188 flyovers in the entire Hong Kong Territory. The results of this initial coarse selection process are described below.

3.2 HONG KONG ISLAND

A total of 48 flyovers on Hong Kong Island were subject to the three selection criteria described above. Of these, 18 did not meet the initial criteria. It was therefore not necessary to include these flyovers in the remainder of the study to enable the better utilisation of resources and efforts. These 18 flyovers, and the reasons for their omission, are listed in *Table 3.2a*. A list of completed and current EIA studies covering those flyovers mentioned in *Table 3.2a* is shown in *Table 3.2b*.

Table 3.2a Hong Kong Island Flyovers - Coarse Screening

Flyover reference and name	Flyover within a CBD or an industrial area?	NSRs have not been identified in the vicinity?	Flyover with existing noise mitigation measures?	Flyover already subject to an EIA prior to completion?	Flyover with an EIA proposed during 1997?
H6 Connaught Road West (Gilman St. to Sutherland St.)	✓	✓			
H7 Pier Road	✓	✓			
H10 Harcourt Road	✓	✓			
H11 Garden Road	✓	✓			
H12 Justice Drive	✓	✓		✓	
H13 Fenwick Pier Street	✓	✓		✓	
H14 Arsenal Street	✓	✓			
H19 Wong Nai Chung Road		✓			
H20 Tonnochy Road	✓	✓			
H25 IEC (Victoria Park Road to Oil Street)					✓
H28 IEC (Branch to Java Road)					✓
H29 IEC (Tai Koo Shing to Hing Man Street)					✓
H36 Fung Ha Road			✓		
H39 Nam Fung Road & Wong Chuk Hang Road Junction		✓			
H40 Ocean Park Road		✓			
H42 Hung Hing Road		✓			
H44 Tin Wan Praya Road	✓	✓			
H47 Western Park Road	✓	✓			

Table 3.2b Flyovers considered under other EIA studies

Flyover reference and name	Completed or current EIA Study
H12 Justice Drive	EIA for Design and Construction of Justice Drive Extension
H13 Fenwick Pier Street	EIA for Design and Construction of Justice Drive Extension
H25 IEC (Victoria Park Road to Oil Street)	Central - Wanchai Bypass and Island Eastern Corridor Link
H28 IEC (Branch to Java Road)	Investigation of Improvement to Island Eastern Corridor Section between North Point Interchange and Sai Wan Ho
H29 IEC (Tai Koo Shing to Hing Man Street)	Investigation of Improvement to Island Eastern Corridor Section between North Point Interchange and Sai Wan Ho

The remaining 30 flyovers on Hong Kong Island as listed below, were considered as potential sources of adverse traffic noise impacts. The constraints on applying direct technical remedies to these flyovers (arising from safety considerations of the Government) are considered in *Section 4*.

- H1 Hill Road - Pok Fu Lam Road to Connaught Road West;
- H2 Bonham Road - near HKU;
- H3 Conduit Road - to Robinson Road, near Woodland Gardens;
- H4 Robinson Road - next to Canossa Hospital;
- H5 Robinson Road - over Magazine Gap Road;
- H8 Upper Albert Road - over Albany Road;
- H9 Cotton Tree Drive - near St. Joseph's College;
- H15 Fleming Road - between Gloucester Road and Jaffe Road;
- H16 Canal Road - over Morrison Hill Road;
- H17 Canal Road - above Canal Road East;
- H18 Canal Road - above Canal Road West;
- H21 Marsh Road - next to Wan Chai Sports Ground;
- H22 Gloucester Road - turning from Victoria Road to Causeway Bay;
- H23 Gloucester Road - near Moreton Terrace;
- H24 Tsing Fung Street - King's Road to Victoria Park Road;
- H26 IEC - Oil Street to Tin Chui Street;
- H27 IEC - branch to King's Road;
- H30 IEC - Tai On Street to Hoi Keung Street;
- H31 IEC - branch to Nam On Street;
- H32 IEC - branch to Chai Wan Road;
- H33 IEC - Tung Hei Road to A Kung Nam Village Road;
- H34 IEC - Heng Fa Chuen;
- H35 Shun Tai Road;
- H37 Aberdeen Main Road to Aberdeen Praya Road;
- H38 Wong Chuk Hang Road - near HK School of Motoring;
- H41 Ap Lei Chau Bridge;
- H43 Stubbs Road - over Wong Nai Chung Gap Road;
- H45 Repulse Bay Road - adjacent to Eucliff and above South Bay Road;
- H46a Chi Fu Road - Pok Fu Lam Road to Chi Fu Road; and
- H46b Chi Fu Road - Chi Fu Road to Pok Fu Lam Road.

A total of 140 flyovers throughout Kowloon and the New Territories were subject to the three coarse screening selection criteria. Of these, 56 did not meet the initial criteria. It was therefore not necessary to include these flyovers in the remainder of the study to enable the better utilisation of resources and efforts. These 56 flyovers, and the reasons for their omission from the study, are listed in Table 3.3a. A list of completed and current EIA studies covering those flyovers mentioned in Table 3.3a is shown in Table 3.3b.

Table 3.3a Kowloon and New Territories Flyovers - Coarse Screening

Flyover reference and name	Flyover within a CBD or an industrial area?	NSRs have been not identified in the vicinity?	Flyover with existing noise mitigation measures?	Flyover already subject to an EIA prior to completion?	Flyover with an EIA proposed during 1997?
K1a Ching Cheung Road (near Mei Foo Sun Chuen)				✓	
K1b Ching Cheung Road (near So Uk Estate)				✓	
K6 Lung Cheung Road (near Chak On Estate)				✓	
K7a Lung Cheung Road (near Beacon Heights)				✓	
K7b Lung Cheung Road (near Choi Hung Estate)				✓	
K19 Canton Road (near Kowloon Park)	✓	✓			
K20 Kowloon Park Drive	✓	✓			
K21 Cheong Wan Road		✓			
K25 Pui Ching Road		✓			
K29 Ma Tau Chung Road		✓			
K33 Prince Edward Road East (near San Po Kong)	✓	✓			
K35 Prince Edward Road East (King Hong St. to Concorde Rd.)	✓	✓			
K36 Tate's Cairn Tunnel Network (Sheung Yuen Leng)				✓	
K37 Tate's Cairn Tunnel Network (near Pik Hoi House, Choi Hung Estate)			✓	✓	

Flyover reference and name	Flyover within a CBD or an industrial area?	NSRs have been not identified in the vicinity?	Flyover with existing noise mitigation measures?	Flyover already subject to an EIA prior to completion?	Flyover with an EIA proposed during 1997?
K38 Tate's Cairn Tunnel Network (near Richland Gardens)			✓	✓	
K44 New Clear Water Bay Road		✓			
K46 Kai Fuk Road	✓	✓			
K49 Kai Cheung Road		✓			
K50 Kwun Tong Bypass (near Richland Gardens)			✓	✓	
K51 Kwun Tong Bypass (above Kai Fuk Road)	✓	✓		✓	
K52 Kwun Tong Bypass (along Hoi Bun Road)	✓	✓		✓	
K55 Kwun Tong Bypass (to Lam Tin Station)				✓	
K59 Lion Rock Tunnel Road (link to Waterloo Road)		✓			
NT1 Po Shek Wu Road				✓	
NT2 Fanling Highway (near Tai Tau Leng and Choi Po Court)				✓	
NT8 Tolo Highway (near Classical Gardens and Ma Wo)				✓	
NT12 Tolo Highway (overpass adjacent to University Station)		✓		✓	
NT13 UR T6 (link to Tolo Highway)		✓		✓	
NT20 Sand Martin Bridge		✓			
NT21 Fo Tan Road					✓
NT22 Lok King Street		✓			
NT26 Banyan Bridge		✓			
NT30 Sha Tin Wai Road				✓	

Flyover reference and name	Flyover within a CBD or an industrial area?	NSRs have been not identified in the vicinity?	Flyover with existing noise mitigation measures?	Flyover already subject to an EIA prior to completion?	Flyover with an EIA proposed during 1997?
NT31 Tate's Cairn Highway (to Sha Tin Wai Road)				✓	
NT32a Shing Mun Tunnel Road (to Tai Po Road Tai Wai)				✓	
NT32b Shing Mun Tunnel Road (to Tai Po Road Sha Tin)				✓	
NT33 Tai Po Road - Tai Wai				✓	
NT36 Sha Tin Road (near Pok Hong Est.)			✓		
NT44 Hung Tin Road	✓	✓			
NT45 Yuen Long Highway (near To Yuen Wai and over Castle Peak Road)			✓		
NT50 Tuen Mun Road (near Siu Hong Court)		✓			
NT51 Lung Mun Road	✓	✓			
NT52 Wong Chu Road (over nullah)				✓	
NT53 Wong Chu Road (beside Yau Oi Estate)				✓	
NT54 Hoi Wong Road (over nullah)		✓			
NT55 Hoi Wong Road (over Wong Chu Road)				✓	
NT57 Tsing Hoi CIR (to Chi Lok Garden)				✓	
NT58 Tsing Hoi CIR (to Mount Parker Lodge)				✓	
NT61 Tuen Mun Road (Chai Wan Kok)	✓	✓			
NT63 Tsuen Wan Road (near Kwai Chung Park)	✓	✓			
NT66 Texaco Road	✓	✓			

Flyover reference and name	Flyover within a CBD or an industrial area?	NSRs have been not identified in the vicinity?	Flyover with existing noise mitigation measures?	Flyover already subject to an EIA prior to completion?	Flyover with an EIA proposed during 1997?
NT67 Wing Kei Road (over Tsuen Wan Road)	✓	✓			
NT68 Kwai Chung road (to Cheong Wing Road)	✓	✓			
NT70 Castle Peak Road (near Kwai Hing Estate)	✓	✓			
NT72 Tsing Yi Bridge (south)	✓	✓			
NT73 Lai King Hill Road Network (Lai King Terrace)		✓			

Table 3.3b *Flyovers considered under other EIA studies*

Flyover reference and name	Completed or current EIA study
K1a Ching Cheung Road (near Mei Foo Sun Chuen)	Lung Cheung Road and Ching Cheung Road Improvement
K1b Ching Cheung Road (near So Uk Estate)	Lung Cheung Road and Ching Cheung Road Improvement
K6 Lung Cheung Road (near Chak On Estate)	Lung Cheung Road and Ching Cheung Road improvement
K7a Lung Cheung Road (near Beacon Heights)	Lung Cheung Road and Ching Cheung Road Improvement
K7b Lung Cheung Road (near Choi Hung Estate)	EIA for Lung Cheung Road Flyover
K36 Tate's Cairn Tunnel Network (Sheung Yuen Long)	Tate's Cairn Tunnel EIA Study
K37 Tate's Cairn Tunnel Network (near Pik Hoi House, Choi Hung Estate)	Tate's Cairn Tunnel EIA Study
K38 Tate's Cairn Tunnel Network (near Richland Garden)	Tate's Cairn Tunnel EIA Study

Flyover reference and name		Completed or current EIA study
K50	Kwun Tong Bypass (near Richland Gardens)	Kwun Tong Bypass EIA Study
K51	Kwun Tong Bypass (above Kai Fuk Road)	Kwun Tong Bypass EIA Study
K52	Kwun Tong Bypass (along Hoi Bun Road)	Kwun Tong Bypass EIA Study
K55	Kwun Tong Bypass (to Lam Tin Station)	Kwun Tong Bypass EIA Study
NT1	Po Shek Wu Road	Noise Impact Assessment for 24 Hour Opening of Border Crossings
NT2	Fanling Highway (near Tai Tau Leng and Choi Po Court)	Noise Impact Assessment for 24 Hour Opening of Border Crossings
NT8	Tolo Highway (near Classical Gardens and Ma Wo)	Noise Impact Assessment for 24 Hour Opening of Border Crossings
NT12	Tolo Highway (overpass adjacent to University Station)	Widening of Tolo Highway and Traffic Surveillance and Information System
NT13	UR T6 (link to Tolo Highway)	Widening of Tolo Highway and Traffic Surveillance and Information System
NT21	Fo Tan Road	Widening of Fo Tan Road and other Related Improvement Measures in Fo Tan
NT30	Sha Tin Wai Road	Tate's Cairn Tunnel EIA Study
NT31	Tate's Cairn Highway (to Sha Tin Wai Road)	Tate's Cairn Tunnel EIA Study
NT32a	Shing Mun Tunnel Road (to Tai Po Road Tai Wai)	Shing Mun Tunnel EIA
NT32b	Shing Mun Tunnel Road (to Tai Po Road Sha Tin)	Shing Mun Tunnel EIA
NT33	Tai Po Road - Tai Wai	Shing Mun Tunnel EIA
NT52	Wong Chu Road (over nullah)	EIA Study on Reclamation and Servicing of Tuen Mun Area 38 for Special Industries - Improvement to Roads & Junctions within Tuen Mun
NT53	Wong Chu Road (beside Yau Oi Estate)	EIA Study on Reclamation and Servicing of Tuen Mun Area 38 for Special Industries - Improvement to Roads & Junctions within Tuen Mun
NT55	Hoi Wong Road (over Wong Chu Road)	EIA Study on Reclamation and Servicing of Tuen Mun Area 38 for Special Industries - Improvement to Roads & Junctions within Tuen Mun

Flyover reference and name	Completed or current EIA study
NT57 Tsing Hoi CIR (to Chi Lok Garden)	EIA Study on Reclamation and Servicing of Tuen Mun Area 38 for Special Industries - Improvement to Roads & Junctions within Tuen Mun
NT58 Tsing Hoi CIR (to Mount Parker Lodge)	EIA Study on Reclamation and Servicing of Tuen Mun Area 38 for Special Industries - Improvement to Roads & Junctions within Tuen Mun

The remaining 84 flyovers in Kowloon and the New Territories as listed below, were considered as potentially adverse sources of traffic noise. The constraints on applying direct technical remedies to these flyovers (arising from safety considerations of the Government) are considered in *Section 4*.

- K2 Kwai Chung Road - near Mei Foo Sun Chuen;
- K3 West Kowloon Corridor - near Lai Chi Kok THA;
- K4 West Kowloon Corridor - between Willow Street & Tong Mi Road (near Nam Cheong Estate);
- K5 West Kowloon Corridor - Tai Kok Tsui Road to Cherry Street;
- K8 Lung Ping Road - near Beacon Heights;
- K9 Waterloo Road - between Ede Road and Suffolk Road;
- K10 Waterloo Road - over Prince Edward Road;
- K11 Waterloo Road - over Argyle Street;
- K12a Prince Edward Road West - Lai Chi Kok Road & Yuen Ngan Street;
- K12b Prince Edward Road West - over at-grade Prince Edward Road West;
- K13 Boundary Street - Maple Street to Sai Yee Street;
- K14 Boundary Street - College Road up to Prince Edward Road West;
- K15 Argyle Street - on top of at-grade Argyle Street;
- K16 Argyle Street - near Olympic Park;
- K17 Gascoigne Road - to Ferry Street;
- K18 Chatham Road South - beneath Wylie court;
- K22 East Kowloon Corridor - above Chatham Road and Kowloon City Road;
- K23 San Ma Tau Street - to vehicular ferry pier;
- K24 Fat Kwong Street - above Man Yue Street;
- K26 Dyer Ave;
- K27 Princess Margaret Road - to Waterloo Road over Argyle Street;
- K28 Hong Chong Road - over KCR to Hong Chong Road;
- K30 Chuk Yuen Road - Lung Yin Road;
- K31 Fung Mo Street - near Wang Tau Hom Estate;
- K32 Po Kong Village Road - near Lung Poon Court;
- K34 Prince Edward Road East - Choi Hung Estate;
- K39 Wai Yip Street - access road to Telford Garden;
- K40 Ngau Tau Kok Road - Kai Cheung Road to Ngau Tau Kok Road;
- K41 Ngau Tau Kok Road - near Ngau Tau Kok Upper Estate;
- K42a Shun Lee Tsuen Road - near Shun Lee Estate;
- K42b Shun Lee Tsuen Road - near Shun Tin Estate;
- K43 Lee On Road;
- K45 Ferry Street - over Tong Mei Road;
- K47 Siu Yip Street - from Telford Garden to Tai Yip Street;
- K48 Kwun Tong Road - near Kai Tai Court;
- K53 Kwun Tong Bypass - near Laguna City;
- K54 Kwun Tong Bypass - parallel to Wang Kwong Road;
- K56 Tseung Kwan O Road - near Tsui Ping South Estate;

- K57 Lin Tak Road;
- K58 Sceneway Road;
- NT3 Pak Wo Road - over Fanling Highway and next to Tai Ping Estate;
- NT4 So Kwun Po Road Network - link to Fanling Highway;
- NT5 Jockey Club Road - adjacent to Wo Hop Shek;
- NT6 Tai Po Tai Wo Road - near Kam Shek San Tsuen;
- NT7 Po Heung Street - over Lam Tsuen River;
- NT9 Tai Po Road Yuen Chau Tsai - near Wang Fuk Court;
- NT10 Tai Po Road Yuen Chau Tsai - link to Tolo Highway;
- NT11 Yuen Shan Road - join Tolo Highway;
- NT14 Tsun King Road;
- NT15 Ma On Shan Road Network;
- NT16 Sai Sha Road - link to Hang Tak Street;
- NT17 Hang Tak Street;
- NT18 Tai Po Road Sha Tin - near Hilton Centre;
- NT19 Sha Tin Rural Committee Road;
- NT23 Sha Tin Road - near KCRC House;
- NT24 Sha Tin Road - near Sha Tin Wai;
- NT25 Sha Tin Road - near City One Shatin;
- NT27 Tai Chung Kiu Road - near Ravana Garden;
- NT28 Sha Tin Wai Road - near Chap Wai Kon New Village;
- NT29 Shek Mun Roundabout;
- NT34 Lion Rock Tunnel Road - over Shing Mun River;
- NT35 Lion Rock Tunnel Road - near Hung Mui Kuk;
- NT37 Hung Mui Kuk Road;
- NT38 Tseung Kwan O Road - near Hong Sing Garden;
- NT39 Tai Po Road Tai Wo - near Hong Lok Yuen;
- NT40 Hong Lok Yuen Road;
- NT41 San Tin Road;
- NT42 Ling Tin Road;
- NT43 Long Yip Street & Yuen Long On Street;
- NT46 Tsing Tin Road;
- NT47 Castle Peak Road - San Hui Section;
- NT48 Pui To Road - over nullah and San Fa Estate;
- NT49 Pui To Road - over Tuen Mun Road;
- NT56 Tuen Hing Road;
- NT59 Tuen Mun Road - Castle Peak Bay to Siu Lam;
- NT60 Tuen Mun Road - Sham Tseng Section;
- NT62 Tsuen Wan Road - Tuen Mun Road to Tsing Tsuen Road;
- NT64 Tai Ho Road;
- NT65 Texaco Road North - near Shek Wai Kok Estate;
- NT69 Kwai Chung Road - near Kwai Fong Estate;
- NT71 Tsing Tsuen Road - to Tsing Yi Bridge
- NT74 Lai King Hill Road Network - next to Kwai Fong Garden;
- NT75 Ching Cheung Road - near Ching Lai Court; and
- NT76 Wah Tai Road - near Lai Yiu Estate.