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6 NOISE IMPACT ASSESSMENT

6.1 Legislation and Standards

6.1.1 Construction Noise

6.1.1.1 The Noise Control Ordinance (NCO) (Cap. 400) provides the statutory framework for noise control in Hong Kong. Assessment procedures and standards are set out in the respective Technical Memoranda (TM) promulgated under the NCO. The following TMs are applicable to the assessment and control of construction noise.

- TM on Noise from Construction Work other than Percussive Piling (TM-GW);
- TM on Noise from Percussive Piling (TM-PP); and
- TM on Noise on Construction Work in Designated Areas (TM-DA).

6.1.1.2 To ensure a better environment, the TM-EIAO promulgated under the Environmental Impact Assessment Ordinance (EIAO) (Cap. 499) has imposed more stringent criteria. For construction, there is no statutory limit on daytime construction noise under the NCO and related TMs. Nevertheless, the TM-EIAO stipulates criteria of 65 - 75dB(A) for daytime construction activities, as shown **Table 6-1**.

Table 6-1 Noise Standards for Construction Activities

Uses	Noise Standards [1] , $L_{eq\,(30\,mins)}$ dB(A)	
	0700 to 1900 hours on any day not being a Sunday or general holiday	1900 to 0700 hours or any time on Sundays or general holiday
All domestic premises including temporary housing accommodation	75	
Hotels and hostels	75	(See Note 2)
Educational institutions including kindergartens, nurseries and all others where unaided voice communication is required	70 65 (During examinations)	

Notes:

[1] The above standards apply to uses that rely on opened windows for ventilation.

[2] The criteria laid down in the relevant technical memoranda under the NCO for designated areas and construction works other than percussive piling may be used for planning purpose. A Construction Noise Permit (CNP) shall be required for the carrying out construction work during the period.

Construction Noise During Restricted Hours

6.1.1.3 The NCO also provides statutory control on general construction works during restricted hours (ie 1900 to 0700 hours (of the next day) from Monday to Saturday and at any time on Sundays or public holidays). The use of Powered Mechanical Equipment (PME) for construction works during restricted hours would require a Construction Noise Permit (CNP). The TM-GW details the procedures adopted by EPD for assessing such application. The granting of a CNP is subject to conditions stated in the CNP and it may be revoked at any time for failure to comply with the permit conditions.

6.1.1.4 In addition to the general controls on the use of PME during restricted hours, the use of Specified Powered Mechanical Equipment (SPME) and the undertaking of Prescribed Construction Work (PCW) during the restricted hours in a designated area are controlled by the TM-DA. Construction plant or equipment classified as SPME under the TM-DA includes hand-held breakers, bulldozers, concrete mixer lorries, dump trucks and poker vibrators. The PCW includes the erection or dismantling of formwork or scaffolding, hammering, handling of rubble, wooden boards, steel bars, or scaffolding material, and the disposal of rubble through plastic chutes.

6.1.1.5 The TM-DA details the procedures that should generally be adopted by the Authority for assessing the use of SPME during restricted hours and for determining whether a CNP would be issued.

6.1.1.6 Maximum noise levels from construction activities during restricted hours at affected NSRs are controlled under the TMs and shall not exceed the specified Acceptable Noise Levels (ANLs). These ANLs are stipulated in accordance with the Area Sensitivity Ratings established for the NSRs. The ANLs for construction works in Designated Areas are more stringent than those given in the GW-TM and summarised in **Table 6-2**.

Table 6-2 Acceptable Noise Levels for Construction during Restricted Hours

Time Period	Acceptable Noise Levels for Area Sensitivity Ratings, dB(A)		
	A	B	C
All weekdays during the evening (1900 to 2300 hours), and general holidays (including Sundays) during the day and evening (0700 to 2300 hours)	60 (45)	65 (50)	70 (55)
All days during the night-time (2300 to 0700 hours)	45 (30)	50 (35)	55 (40)

Note: Figures in brackets are ANLs for SPME construction work in designated areas

6.1.1.7 As defined in the Noise Control Designated Area Plan No. EPD/NP/NT-05 (see **Appendix 6A**), Tung Chung areas are within the Designated Area. Sha Lo Wan and Shan Shek Wan are however not within the Designated Area.

6.1.1.8 Despite any description made in this EIA, there is no guarantee that a CNP will be issued for the project construction. The Noise Control Authority will consider a well-justified CNP application, once filed, for construction works within restricted hours as guided by the relevant TMs issued under the NCO. The Noise Control Authority will take into account contemporary conditions / situations of adjoining land uses and any previous complaints against construction activities at the site before making a decision in granting a CNP. Nothing in the EIA report shall bind the Noise Control Authority in making a decision. If a CNP is to be issued, the Noise Control Authority shall include in it any conditions demand. Failure to comply with any such conditions will lead to cancellation of the CNP and prosecution under the NCO.

Percussive Piling

6.1.1.9 Under the TM-PP, CNPs are also required for percussive piling involving the use of diesel, pneumatic and / or steam hammer. This TM specifies the permitted hours and other conditions for percussive piling. **Table 6-3** lists the acceptable percussive piling noise levels for various types of NSR.

Table 6-3 Acceptable Noise Levels for Percussive Piling

NSR Window Type or Means of Ventilation	ANL (dB(A))
(i) NSR (or part of NSR) with no window or other opening	100
(ii) NSR with central air conditioning system.	90
(iii) NSR with windows or other openings but without central air conditioning system	85

6.1.1.10 Depending on the numbers and types of piling machines and the separation from NSRs, percussive piling may be restricted to 12, 5 or 3 hours per day. For NSRs that are particularly sensitive to noise, such as hospitals, medical clinics, educational institutions and courts of law, a further reduction of 10 dB(A) shall be applied to the above ANLs.

6.1.2 Operational Noise

6.1.2.1 The TM-EIAO has stipulated the noise standards for various noise sources as shown in the following table.

Table 6-4 Noise Standards for Operational Phase

Common Uses	Noise Standards [1]				
	Aircraft Noise (Noise Exposure Forecast: NEF)	Helicopter Noise L_{max} dB(A)	Road Traffic Noise $L_{10\ (1hour)}$ dB(A)	Rail Noise	Fixed Noise Sources
All domestic premises including temporary housing accommodation	25	85	70	(see Note 2) (a) The appropriate Acceptable Noise Levels shown in Table 3 of the Technical Memorandum for the Assessment of Noise from Places Other than Domestic Premises, Public Places or Construction Sites and (b) L_{max} (2300-0700 hours) = 85dB(A)	(a) 5dB(A) below the appropriate Acceptable Noise Levels (ANL) shown in Table 3 of the Technical Memorandum for the Assessment of Noise from Places Other than Domestic Premises, Public Places or Construction Sites, or (b) the prevailing background noise levels (For quiet areas with level 5 dB(A) below the ANL)
Hotels and hostels	25	85	70		
Offices	30	90	70		
Educational institutions including kindergartens, nurseries and all others where unaided voice communication is required	25	85	65		
Places of public worship and courts of law	25	85	65		
Hospitals, clinics, convalescences and homes for the aged, diagnostic rooms, wards	25	85	55		

Notes:

[1] The above standards apply to uses that rely on opened windows for ventilation.

[2] Rail noise is under the control of the Noise Control Ordinance and shall comply with the Acceptable Noise Levels laid down in the Technical Memorandum for the Assessment of Noise from Places other than Domestic Premises, Public Places or Construction Sites. The criteria for noise transmitted primarily through the structural elements of the building or buildings should be 10dB(A) less than the relevant acceptable noise level.

<u>Fixed Noise Sources</u>

6.1.2.2 Operational noise from fixed noise sources is controlled under the NCO's *Technical Memorandum on Noise from Places other than Domestic Premises, Public Places or Construction Sites*. To plan for a better environment, the TM-EIAO has specified the following requirements, whichever is more stringent.

- 5 dB(A) below the appropriate ANLs in the Technical Memorandum on Noise from Places other than Domestic Premises, Public Places or Construction Sites; or
- the prevailing background noise levels.

6.1.2.3 The ANLs for different Area Sensitivity Ratings during different periods are summarized in the following table.

Table 6-5 Acceptable Noise Levels (ANL) for Fixed Noise Sources

Time Period	ANL, dB(A)			ANL-5, dB(A)		
	ASR A	ASR B	ASR C	ASR A	ASR B	ASR C
Day (0700 to 1900 hours)	60	65	70	55	60	65
Evening (1900 to 2300 hours)	60	65	70	55	60	65
Night (2300 to 0700 hours)	50	55	60	45	50	55

ASR – Area Sensitivity Rating

Road Traffic Noise

6.1.2.4 The criteria for assessing road traffic noise is given in the TM-EIAO and tabulated in **Table 6-4**. For domestic premises, hotels, hostels and offices, the criterion is 70dB(A). For educational institutes and places of worship, the criterion is 65dB(A). For hospitals, clinics etc, a more stringent criterion of 55dB(A) is stipulated. It should be noted that all these criteria only apply to NSRs that rely on open-windows for ventilation.

Aircraft & Helicopter Noise

6.1.2.5 The noise criteria for aircraft and helicopter noise are given in **Table 6-4**. For aircraft noise, NSRs should be planned beyond the NEF25 contour, except for offices which should be beyond the NEF30 contour.

6.1.2.6 For helicopter noise, NSRs should be planned beyond to have the noise impacts less than 85dB(A) L_{max}, except for offices which should be exposed to noise impacts less than 90dB(A) L_{max}.

6.1.2.7 Similar to the road traffic noise, all these criteria only apply to NSRs replying on open-windows for ventilation.

6.2 Noise Sensitive Receivers

6.2.1 With reference to Annex 13 of the TM-EIAO, NSRs include residential uses (all domestic premises including temporary housing), institutional uses (educational institutions including kindergarten and nurseries), hospitals, medical clinics, homes for the aged, convalescent homes, places of worship, libraries, court of law, performing arts centres, auditoria and amphitheatres, country park and others.

6.2.2 Representative NSRs within a distance of 300 m from the either side of the project boundary have been identified. For HKBCF, all the buildings within 300m from the project boundary are provided with sealed facade and hence would not be a adversely affected by noise. Hence, the nearest NSRs at distance further away and with a direct line of sight will also be included in the assessment. For HKLR, there are village houses within 300m from the project boundary. These NSRs are considered in this noise assessment.

6.2.3 The first layer of NSRs has been identified and selected as Assessment Points (APs). These APs will cover all existing sensitive developments (including those occupied before completion of the construction) for construction noise assessment, and both the existing and planned developments for operational noise assessment.

6.2.4 The existing NSRs are identified by means of topographic maps, aerial photos, land status plans and several site surveys. Planned/committed NSRs are identified by making reference to relevant Outline Zoning Plans, Outline Development Plans, Layout Plans and other published plans in relation to the

Planning and Development on Lantau.

6.2.5 According to the latest information, all the premises within HKBCF are facility offices and would be provided with air-conditioning. Hence, there are no NSRs within the boundary of HKBCF. HKLR is a viaduct and tunnel and there are no other developments of NSRs.

6.2.6 The existing and planned NSRs in the vicinity, which may be affected by HKBCF and HKLR are identified in the following table. The locations of the NSRs are shown on **Figures 6.1a-j** and the assessment points are illustrated in **Appendix 6B**.

Table 6-6 Existing / Planned NSRs

No.	NSR	Assessment Points	No. of Storey	Nature
N1	San Shek Wan	101 - 102	3	Residential
N2	Sha Lo Wan Chung Hau	103	1	Temple
		104	1	Residential
N3	Tin Sum	105	3	Residential
N4	Ma Wan Chung	106 - 107	3	Residential
N5	Yat Tung Estate	108 - 110	50	Residential
N6	Tung Chung Crescent	113	30	Residential
N7	Fu Tung Estate	115	33	Residential
N9	Seaview Crescent	126, 127	50	Residential
N10	Coastal Skyline	128, 130, 132	50	Residential
N11	LeBleu	134	50	Residential
N12	Caribbean Coast	138 - 149	3	Residential
N13	Ho Yu College (Sik Sik Yuen)	149	6	School
N13	Ho Yu Primary School (Sik Sik Yuen)	150	6	School
N14	Tung Chung West Development (Planned Development)	152 - 153	To be determined	To be determined
N15	Tung Chung East Development (Planned Development)	156 – 161	To be determined	To be determined

[1] The NSRs at the eastern coast of Tung Chung East Future Development are included in the EIA for TMCLKL.

6.3 Potential Concurrent Projects

6.3.1 The concurrent projects that would have cumulative environmental impacts during the construction and operation phases of HKBCF and HKLR is given in **Section 1**. Environmental impacts considered include noise, air quality, water quality, ecology, fisheries, landscape etc.

6.3.2 The following concurrent projects are relevant for the assessment of cumulative noise assessment.

Construction Phase

- Lantau Logistics Park (LLP)[1];
- Tuen Mun – Chek Lap Kok Link (TMCLKL)[1];
- Hong Kong-Zhuhai-Macao (HZMB) Main Bridge[1].

Operation Phase

- Lantau Logistics Park[1];
- Possible Lantau Logistics Park Extension or other compatible uses[3];
- Future Tung Chung East and West Future Developments[3];
- Road P1 (Sham Shui Kok to Sunny Bay) at North Lantau;

- Future commercial development (such as hotels) at HKIA;
- TMCLKL;
- HZMB Main Bridge[4].

[1] LLP, TMCLKL and HZMB Main Bridge are located more than 2 km from the NSRs of concern. Hence, there would not be any significant cumulative construction noise impacts.

[2] The induced traffic from all these projects has been included in the cumulative assessment.

[3] These are separated DP under the EIAO and hence and fixed plant noise would by mitigated by the respective project proponents to ensure compliance with the legislative criteria.

[4] Any fixed noise sources would be located more than 4 km from the NSRs of concern.

6.4 Construction Noise Assessment

6.4.1 General Assessment Procedures

6.4.1.1 Construction noise assessment will be conducted based on the following procedures:

- Determine the assessment area, and identify representative NSRs that may be affected by the works;
- Obtain the construction method and work sequence for the construction period;
- Obtain the plant items for each corresponding construction work sequence;
- Determine the sound power levels of the plant items according to the information stated in the TM-GW or other recognised sources of reference, where appropriate;
- Calculate the correction factors based on the distance between the NSRs and the notional noise source positions of the work sites;
- Apply corrections for façade, distance, barrier attenuation, acoustic reflection where applicable;
- Quantify the level of impact at the NSRs, in accordance with TM-GW; and
- Predict the cumulative noise impacts by any concurrent construction works in the vicinity.

6.4.2 Locations of Representative NSRs

6.4.2.1 For construction noise assessment, representative NSRs locations that would be must affected by the construction activities have been chosen from **Table 6-6** and are summarised as below.

Table 6-7: Representative NSRs for construction noise assessment

No.	NSR	Assessment Points	Nature
N1	San Shek Wan	101 - 102	Residential
N2	Sha Lo Wan Chung Hau	103	Temple
		104	Residential
N3	Tin Sum	105	Residential
N4	Ma Wan Chung	106	Residential
N6	Tung Chung Crescent	113	Residential
N9	Seaview Crescent	126	Residential
N11	LeBleu	136	Residential

No.	NSR	Assessment Points	Nature
N12	Caribbean Coast	147	Residential
N13	Ho Yu College (Sik Sik Yuen)	149	School

6.4.2.2 For construction noise assessment, only existing NSRs are considered. NSRs for the planned development will not be occupied during the construction stage and hence will not be included in the construction noise assessment.

6.4.3 Tentative Construction Programme

6.4.3.1 Tentatively, the construction of HKBCF and the HKLR would commence in 2010 and would last for about 7 years. According to the current programme, construction work during restricted hours is not required. The following table summarise the key construction date. **Appendix 6C** presents the tentative construction programme.

Table 6-7A Summary of Key Construction Date

Project	Commencement	Completion	Duration
HKBCF – Phase 1	2010	2015	~ 5 Year
HKBCF – Phase 2	2011	2016	~ 6 Year
HKLR	2011	2015	~ 4 Year

6.4.3.2 Proposed Work Area 2 will be used for site office, storage and maintenance. Hence, it will not be included in the construction noise assessment.

6.4.3.3 A total of 2 concrete batching plants will be located at Tai Ho (near Siu Ho Wan Sewage Treatment Work) and To Kau Wan (near Toll Plaza of NLH). As there are no NSRs within 300mm of the sites, these sites will not be included in the construction noise assessment. Location of the sites is shown on **Figure 6.2**.

6.4.4 Construction Noise Sources

6.4.4.1 According to the latest engineering design, the construction would mainly comprise of the following activities.

HKBCF

- Reclamation of about 130ha;
- Diversion of existing roads and utilities;
- Internal infrastructure;
- APM construction.

HKLR

- Reclamation of about 23ha;
- Viaduct of about 9.4km
- Tunnel of about 1.1 km

6.4.4.2 As discussed in **Section 6.3.2**, other concurrent projects including LLP, TMCLKL and HZMB Main Bridge are all located at more than 2 km from existing NSRs of concern. Hence, there would not be any significant cumulative construction noise impacts.

6.4.4.3 The plant inventory for the above activities is provided by the Engineer and is given in **Appendix 6D**. Powered Mechanical Equipment (PME) that would be used for the construction includes excavators, trucks, hydraulic breakers, concreting equipment etc.

6.4.5 Cut-off Distance for Notional Noise Source

6.4.5.1 Since some of the notional noise sources for HKBCF and HKLR are located at more than 3km from respective NSRs, it is considered that the noise impacts would be insignificant and would not be included in the construction noise assessment.

6.4.6 Utilisation Rates of Powered Mechanical Equipment

6.4.6.1 Practically, the PMEs will not be operating for all times within a work site. In this assessment, the utilization rates have been reviewed by the engineer and have been concluded to be practicable for the purpose of this EIA. **Appendix 6E** tabulates the adopted utilisation rates and table below summarizes the utilization rate.

Table 6-8 Utilization Rates of PME

PME	Typical Utilization Rate
Asphalt paver	50%
Hand-held breaker, hydraulic breaker	50%
Breaker (Pneumatic)	80%
Hydraulic Breaker	80%
Mobile crane	30%
Derrick lighter	70%
Excavator	70%
Backactor	70%
Lorry	70%
Roller	50%
Tug boat	20%
Deck Traveller	20%

6.4.7 Noise Assessment Tool

6.4.7.1 An in-house program has been used for construction noise calculations. Initially, the program runs were conducted without any mitigation measures (ie the "Unmitigated Scenario"). Where noise level exceedance was identified, further runs would be made assuming different combinations of mitigation measures to be incorporated (ie the "Mitigated Scenario").

6.4.8 Assessment Results for the Unmitigated Scenario

6.4.8.1 According to the latest engineering design, the construction would mainly comprise of the activities as described in Section3. The corresponding Sound Power Levels (SWLs) of these activities have been estimated according to the PME's SWLs and the assessment methodology in the GW-TM. **Appendix 6E** presents the calculation of the SWLs for each PME. **Appendix 6F** presents the distance between the notional sources and the NSRs, screening effects due to terrains etc. **Appendix 6G** presents the calculation of the SWLs for each month during the construction period.

6.4.8.2 **Appendix 6H** also presents the calculated construction noise impacts at selected representative NSRs. The predicted construction noise impacts on the NSRs are summarised in the tables below. **Appendix 6HA** shows a sample of calculation.

Table 6-9 Construction Noise Impact at Noise Sensitive Receivers

ID	NSR	AP	Total Noise Impacts, dB(A)	Criterion, dB(A)	Compliance (Y/N)	Uses
N1	San Shek Wan	101	72	75	Y	Residential
		102	71	75	Y	Residential
N2	Sha Lo Wan Chung Hau	103	74	75	Y	Temple

ID	NSR	AP	Total Noise Impacts, dB(A)	Criterion, dB(A)	Compliance (Y/N)	Uses
		104	**80**	75	**N**	Residential
N3	Tin Sum	105	70	75	Y	Residential
N4	Ma Wan Chung	106	70	75	Y	Residential
N6	Tung Chung Crescent	113	71	75	Y	Residential
N9	Seaview Crescent	126	74	75	Y	Residential
N11	LeBleu	136	72	75	Y	Residential
N12	Caribbean Coast	147	70	75	Y	Residential
N13	Ho Yu College (Sik Sik Yuen)	149	**71**	65	**N**	School

6.4.8.3 It can be seen from the above table that assessment points of 104 in Sha Lo Wan Chung Hau (N2) and 149 of Ho Yu College Sik Sik Yuen (N13) exceed the criterion of 75 dB(A) and 65dB(A) by 5dB(A) and 6dB(A) respectively.

6.4.9 Assessment Results for the Mitigated Scenario

6.4.9.1 The predicted noise levels show that the unmitigated construction noise impacts would exceed the daytime noise criteria. Mitigation measures are therefore required. The following mitigation measures have been considered:

- Good site practices to limit noise emissions at the source;
- Use of quiet plant and working methods;
- Use of site hoarding as noise barrier to screen noise at ground level of NSRs;
- Use of shrouds / temporary noise barriers to screen noise from relatively static PMEs;
- Scheduling of construction works outside school examination periods in critical area; and
- Alternative use of plant items within one worksite, wherever practicable.

6.4.9.2 The above mitigation measures would need to be implemented in all work sites as good practices. It should be noted that whilst "Good Practice" mitigation measures would help to alleviate the noise impacts, some of these measures have not be included in the quantitative assessment as discussed in the following sections. This would ensure a more conservative assessment.

6.4.9.3 Detailed descriptions of these mitigation measures are given in the following sections.

6.4.10 Good Site Practices and Noise Management Techniques

6.4.10.1 Good site practice and noise management techniques could considerably reduce the noise impact from construction site activities on nearby NSRs. The following measures should be followed during each phase of construction:

- only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme;
- machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum;
- plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs;
- silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works;

- mobile plant should be sited as far away from NSRs as possible and practicable; and
- material stockpiles, site office and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities.

6.4.10.2 The benefits of these techniques can vary according to specific site conditions and operations. The environmental noise climate would certainly be improved through these control practices, although the improvement can only be quantified during implementation when specific site parameters are known. The assessment has therefore not taken into account the effectiveness of "Good Site Practices and Noise Management Techniques".

6.4.11 Use of Site Hoarding

6.4.11.1 Purpose built temporary noise barriers (approx 2.5m high) located on the site boundaries between noisy construction activities and NSRs could generally reduce noise levels at low-level zone of NSRs through partial screening. In general, this would provide minimum 5 dB(A) attenuation for the low level receivers. It would be possible for the Contractor to provide these in the form of site hoardings to achieve this attenuation effect, provided that the barriers have no openings or gaps and have a superficial surface density of at least $14kg/m^2$. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period. For conservative assessments, however, the site hoarding has not been taken into consideration in the construction noise assessments.

6.4.12 Use of Movable Noise Barrier & Full Enclosure for Relatively Static Plant

6.4.12.1 Movable temporary noise barriers that can be located close to noisy plant and be moved concurrently with the plant along a worksite can be very effective for screening noise from NSRs. A typical design which has been used locally is a wooden framed barrier with a small-cantilevered upper portion of superficial density no less than $14kg/m^2$ on a skid footing with 25mm thick internal sound absorptive lining. This measure is particularly effective for low level zone of NSRs. A cantilevered top cover would be required to achieve screening benefits at upper floors of NSRs.

6.4.12.2 Movable barriers will be used for some PME (e.g. pipe pile rigs, auger). It is anticipated that suitably designed barriers could achieve at least 5 - 10dB(A) reduction. For a conservative assessment, only a reduction of 5dB(A) is assumed.

6.4.12.3 The use of full enclosure has been considered in this assessment to shelter relatively static plant including air compressor, generator. These enclosures barriers can provide about 10dB(A) noise reduction. For electric saw, movable noise barriers of 5dB(A) attenuation have been assumed.

6.4.12.4 A summary of the barrier and enclosure adopted for various PMEs, and the associated noise reduction is given in **Appendix 6E** and summarised as below:

PME	Enclosure / Barriers	Attenuation, dB(A)
Compressor	Enclosure	-10dB(A)
Breaker (Pneumatic)	Movable Barrier	-5dB(A)
Concrete Truck	Movable Barrier	-5dB(A)
Concrete Pump	Movable Barrier	-5dB(A)
Generator	Enclosure	-10dB(A)
Water Pump	Enclosure	-10dB(A)

6.4.13 Use of "Quiet" Plant and Working Methods

6.4.13.1 The use of quiet plant is a feasible solution to tackle adverse noise impacts associated with construction works. It is generally known (supported by field measurement) that particular models of construction equipment are quieter than standard types given in the TM-GW. Whilst it is generally considered too restrictive to specify that the Contractor has to use specific models or items of plant, it is reasonable and practicable to set plant noise performance specifications for specific PME so that some flexibility in selection of plant is allowed. A pragmatic approach would be to request that the Contractor independently verifies the noise level of the plant proposed to be used and demonstrates through furnishing of these results, that the plant proposed to be used on the site meets the requirements.

6.4.13.2 The use of quiet plant associated with the construction works is prescribed in British Standard "Noise Control on Construction and Open Sites, BS5228: Part 1: 1997" which contains the SWLs for specific quiet PME. It should be noted that while various types of silenced equipment could be found in Hong Kong, EPD when processing a CNP application for evening or night time works may apply the noise levels specified in the TM-GW and TM-DA. CNP applications which contain sufficient details of any particularly quiet items of PME or any special noise control measures which the CNP applicant proposes to employ on the site may be given special consideration by the Noise Control Authority.

6.4.14 Sequencing Operation of Construction Plant Equipment

6.4.14.1 In practice, some plant items will operate sequentially within the same work site, and certain reduction of the predicted noise impacts could be achieved. However, any additional control on the sequencing of plant will impose a restrictive constraint to the Contractor on the operation and planning of plant items, and the implementation of the requirement would be difficult to be monitored. Hence, sequencing operation of PME has not been taken into consideration in the construction noise assessments, except those specified in **Section 6.4.6** for which the realistic operating time has been incorporated.

6.4.15 Assessment Results for the Mitigated Scenario

6.4.15.1 With the adoption of the above mitigation measures, **Appendix 6I** presents the calculation of the SWLs for each month during the construction period.

6.4.15.2 **Appendix 6J** presents the calculated construction noise impacts at selected representative NSRs. The predicted construction noise impacts on the NSRs are summarised in the tables below.

Table 6-10 Construction Noise Impact at Noise Sensitive Receivers

ID	NSR	AP	Total Noise Impacts, dB(A)	Criterion, dB(A)	Compliance (Y/N)	Uses
N2	Sha Lo Wan Chung Hau	104	72	75	Y	Residential
N13	Ho Yu College (Sik Sik Yue)	149	65	65	Y	School

6.4.15.3 It can be seen from the above table that assessment points of 104 in Sha Lo Wan Chung Hau (N2) and 149 of Ho Yu College Sik Sik Yuen (N13) would comply the criterion of 75 dB(A) and 65dB(A) respectively.

6.4.16 Cumulative Construction Noise

6.4.16.1 The assessment mentioned on **Section 6.4.15** has included the cumulative construction noise from HKLR and HKBCF. As far as the existing NSRs are concerned, there are no other construction activities from other concurrent projects. The results presented in **Section 6.4.15** illustrate the cumulative construction noise impacts.

6.5 Road Traffic Noise Assessment

6.5.1 Road Traffic Noise

6.5.1.1 Road traffic noise calculation is based on the method of UK Department of Transport "Calculation of Road Traffic Noise (CRTN)". The predicted noise levels at the sensitive receivers include 2.5dB(A) facade reflection and correction factors of effects due to gradient, distance, view angle, road surface and barriers. The standard 0.8m solid parapet along viaduct has also been included in the assessment.

6.5.1.2 The computer programme, RoadNoise 2000, has been used to model traffic noise from road networks. It complies with the *Calculation of Road Traffic Noise* (CRTN) developed by the UK Department of Transport. The road traffic noise will be presented in terms of noise levels exceeded for 10% of the one-hour period for the hour having the peak traffic flow [i.e. $L_{10(1hr)}$ dB(A)].

6.5.1.3 According to the EIA Study Brief, calculations of future road traffic noise will be based on the peak hourly flow for the maximum traffic projected within a 15 years period upon commencement of operation. The traffic projection will take into account the induced traffic due to the operation of other planned roads and committed projects. Since the commencement year for BCF and HKLR is Year 2016, the assessment year for road traffic noise is taken as Year 2031.

6.5.1.4 The extent of road sections paved with friction course materials has been provided by Highways Department and are shown in **Appendix 6K**. This information has been included in the road traffic noise model accordingly.

6.5.1.5 The following table summarises the traffic flow data for the key roads assumed in the noise assessment. The traffic forecast has been submitted to TD and TD has no objection for use in this EIA.

Table 6-11 Summary of Peak Hour Traffic Flow Data at 2031

Road Section	Projected Peak Hour Flow (veh/h)	% Heavy Vehicle	Design Speed (km/h)
North Lantau Highway, East of Tung Chung Eastern Interchange (Airport bound)	3,613	47	110
North Lantau Highway, East of Tung Chung Eastern Interchange (Tsing Yi bound)	3,545	49	110
Cheung Tung Road	400	30	50
North Lantau Highway, West of Tung Chung Eastern Interchange (Airport bound)	1,984	42	110
North Lantau Highway, West of Tung Chung Eastern Interchange (Tsing Yi bound)	1,649	46	110
HKLR (In bound)	1,121	62	100
HKLR (Out bound)	982	63	100
Road P1 (Sham Shui Kok to Sunny Bay)	965	38	50
TMCLKL (BCF and Tuen Mun bound)	1,321	57	80
TMCLKL (Tsing Yi and Airport bound)	1,479	53	80

6.5.1.6 For the purpose of this assessment, roads will be classified as the following categories. **Appendix 6L** shows the extent of these road categories.

(i) New roads including roads within HKBCF, and those roads connecting from HKBCF to Hong Kong International Airport (HKIA) and HKLR;

(ii) Existing roads within the study boundary including existing roads that emain either completely unchanged or that undergo only very minor alterations; and

(iii) Other planned roads within the study boundary including the future Road P1 (from Sham Shui Kok to Sunny Bay), TMCLKL etc.

6.5.2 Locations of Representative NSRs

6.5.2.1 For road traffic noise assessment, representative NSRs locations will be chosen from **Table 6-6** and are summarised as below.

Table 6-12A Representative NSRs for road traffic noise

No.	NSR	Assessment Points	No. of Storey	Nature
N1	San Shek Wan	101 - 102	3	Residential
N2	Sha Lo Wan Chung Hau	103	1	Temple
		104	1	Residential
N3	Tin Sum	105	3	Residential
N4	Ma Wan Chung	106 - 107	3	Residential
N14	Tung Chung West Development (Planned Development)	152 – 153	To be determined	To be determined
N15	Tung Chung East Development (Planned Development)	156 – 161	To be determined	To be determined

6.5.2.2 It should be noted that the planned NSRs at the western coast of Tung Chung East Future Development are closer to HKBCF and HKLR than existing NSRs in Tung Chung. Hence, as far as the impacts due to HKBCF and HKLR are concerned, the selected NSRs (i.e. 156 - 161) would better represent the noise impacts to Tung Chung East Future Development.

6.5.3 Predicted Road Traffic Noise Impacts

6.5.3.1 As discussed in **Section 6.2.5**, all the premises in BCF would be provided with air-conditioning and do not rely on open-windows for ventilation. Hence, noise assessment points would not be included for the buildings within the HKBCF.

6.5.3.2 The predicted road traffic noise levels at the representative NSRs in the vicinity of BCF and HKLR are summarized in the following table and **Appendix 6M** includes the noise impacts on various levels.

Table 6-12B Predicted Road Traffic Noise Impact (Year 2031)

ID	NSR	AP	Total Noise Impacts, dB(A)	Criterion, dB(A)	Compliance (Y/N)	Uses
N1	San Shek Wan	101	59	70	Y	Residential
		102	58	70	Y	Residential
N2	Sha Lo Wan Chung Hau	103	64	65	Y	Temple
		104	68	70	Y	Residential
N3	Tin Sum	105	69	70	Y	Residential
N4	Ma Wan Chung	106	66	70	Y	Residential
		107	59	70	Y	Residential
N14	Tung Chung West Development (Planned Development)	152	67	70[1]	Y	Undetermined
		153	69	70[1]	Y	Undetermined
		154	69	70[1]	Y	Undetermined

ID	NSR	AP	Total Noise Impacts, dB(A)	Criterion, dB(A)	Compliance (Y/N)	Uses
N15	Tung Chung East Development (Planned Development)	156	67	70[1]	Y	Undetermined
		157	66	70[1]	Y	Undetermined
		158	66	70[1]	Y	Undetermined
		159	66	70[1]	Y	Undetermined
		160	66	70[1]	Y	Undetermined
		161	66	70[1]	Y	Undetermined

[1] Assume residential for assessment purposes.

San Shek Wan and Sha Lo Wan

6.5.3.3 The predicted cumulative road traffic noise level for the residential NSRs at San Shek Wan (N1) and Sha Lo Wan Chung Hau (N2) are in the range of 59 – 64dB(A) which do not exceed the stipulated noise criterion of 70dB(A).

6.5.3.4 The noise impacts on the temple at Sha Lo Wan is 64dB(A) which also comply with the respective criterion of 65dB(A).

6.5.3.5 The predicted cumulative traffic noise impacts comply with the legislative requirements and there are no residual impacts. Additional noise mitigation measures are not required.

Tin Sum

6.5.3.6 The predicted cumulative road traffic noise level for the residential NSRs at Tin Sum (N3) is 69dB(A) which do not exceed the stipulated noise criterion of 70dB(A).

6.5.3.7 The predicted cumulative traffic noise impacts comply with the legislative requirements and there are no residual impacts. Additional noise mitigation measures are not required.

Ma Wan Chung

6.5.3.8 The predicted cumulative road traffic noise level for the residential NSRs at Ma Wan Chung (N4) is 59 - 66dB(A) which do not exceed the stipulated noise criterion of 70dB(A).

6.5.3.9 The predicted cumulative traffic noise impacts comply with the legislative requirements and there are no residual impacts. Additional noise mitigation measures are not required.

Tung Chung East and West Future Developments

6.5.3.10 There are no confirmed implementation programme and landuse for Tung Chung East and West Future developments. It is not sure whether there are NSRs (ie NSRs 152 & 153) at locations close to their project boundary. For the purposes of this EIA, it is however assumed that there would be residential premises. Results indicates that the predicted traffic noise impacts on Tung Chung West development would be in the order of 67 – 69dB(A) which would comply the criterion of 70dB(A) for residential premises. The predicted traffic noise impacts on Tung Chung East Development would be 66 – 67dB(A) and hence would also comply with the 70dB(A) noise criterion for residential premises.

6.5.3.11 As discussed in S.6.5.2.2, the planned NSRs at the eastern coast of Tung Chung East Future Development are assessed under the EIA for TMCLKL. According to their assessment finding, the traffic noise impacts would comply with the relevant criterion and mitigation measures are not required.

6.5.4 Cumulative Traffic Noise Impacts

6.5.4.1 The traffic forecast has included all planned projects by 2031. The traffic noise impact assessment mentioned in Section 6.5.3 has included the traffic induced by all these concurrent projects (including LLP, TMCLKL, Tung Chung East and West Future Developments etc). Hence, the assessment results presented in Section 6.5.3 represent the cumulative traffic noise impacts.

6.6 Assessment for Aircraft & Helicopter Noise

6.6.1 Since the NSRs within the BCF would be provided with air conditioning and hence do not reply on open windows for ventilation, there would not be any adverse helicopter noise and aircraft noise impacts on the project.

6.6.2 Since there will not be helipad facilities within the HKBCF and HKLR, there would not be any helicopter noise impact caused by HKBCF and HKLR.

6.7 Assessment for APM Ground-borne Noise

6.7.1 A new APM alignment would run about 5m from the existing Marriot Hotel located to the east of the Airport Island. The new APM would adopt similar design as the existing one. **Appendix 6N** shows the new APM alignment.

6.7.2 2 APM lines are proposed within the existing airport providing connection between the airfield, T1, T2, and the SkyPier. The APMs would be in a 4-car arrangement. The average operating speed will be about 24 kph. The APMs would be installed with inflated tyres as ordinary vehicles and hence any ground-borne noise induced from these inflated tyres would not be significant. However, these APMs will have guide wheels on both sides of the car body. The guide wheels may generate some ground-borne noise.

6.7.3 Most of the buildings along the proposed APM alignment are offices, open space etc. However, the Sky Marriott Hotel is located within 5m horizontal distance from the proposed APM line. According to the TM-EIAO, a hotel is classified as Noise Sensitive Receiver (NSR) by nature. Since this hotel has been installed with sealed glazing and central air-conditioning, impacts due to air-borne noise would not be any issue. However, the Sky Marriott Hotel shall still be considered as a NSR for ground-borne noise assessment.

6.7.4 According to the information available, the lowest level of guestrooms in the Sky Marriott Hotel is about 20m above the local ground and there are no noise sensitive basement areas.

6.7.5 The study area is classified as "urban". An Area Sensitivity Rating of "C" is considered appropriate for the NSR not influenced by road traffic noise from major roads.

6.7.6 The following table shows the ground-borne noise criteria for the APM.

Table 6-13 Ground-borne Noise Criteria for APM

Period	ASR	Noise Level, dB(A)	
		ANL ($L_{eq, 30 mins}$)	ANL – 10 ($L_{eq, 30 mins}$)
Day & Evening	C	70	60
Night	C	60	50

6.7.7 Liaison had been made with the airport operator in identifying locations that are as close to the existing APM lines as possible. Results indicate that there are no office areas or other noise sensitive areas that are close to the existing APM lines. The most favourable locations are at a PSD Control Room and a Motor Control Centre Room located at about 2.5 – 7m from the existing APM line. The following table and **Appendix 6O** summarise the measurement locations.

Table 6-14 APM Vibration Measurement Distance

Location	Separation Dist, m		Remark
	Horiz	Vert	
PSD Control Room	7.0	0	APM leaving / arriving platform
Motor Control Center Room	2.5	0	APM travelling at constant speed of about 24 kph

Note: Passby duration is about 6 seconds.

6.7.8 Accelerometers were located on the floor to measure the RMS vibration level. **Appendix 6P** shows the results of vibration level measurement. The maximum vibration measurement results are 75dB (ref 1x10-9mm/s) and the corresponding APM travelling speed was about 24kph. It should be noted that the max vibration level collated from the PSD room (resulting from accelerating and decelerating APM) has been adopted as the worst case assessment.

6.7.9 **Appendix 6Q** shows the assessment results which are based on the measured vibration levels and other correction factors as appropriate (eg US Federal Transit Administration "Transit Noise and Vibration Impact Assessment", Table 10-1. Adjustment Factors for Generalized Predictions of Ground-Borne Vibration and Noise).

6.7.10 Key information in the assessment is confirmed by the future operator and is given below:

- Smooth rail running surfaces for guide rail systems as the existing APM system is maintained
- The separation distance between the 2 APM tunnels and the Sky Marriot Hotel is at least 5m
- The maximum speed of the APM is 62kph.
- The train headway is about 13 per direction in 30 miniutes
- APM is in 4-car arrangement (total length ~39m) with a total weight of about 52 tonne (or 76 tonne with passenger)

6.7.11 Results indicate that, with the above key assumptions, the predicted ground-borne noise impacts are 43dB(A). This would comply with daytime noise criterion of 60dB(A) and the night-time noise criterion of 50dB(A). There are therefore no adverse ground-borne noise impacts and hence mitigation measures are not required.

6.8 Assessment for Fixed Noise Sources

6.8.1 Area Sensitivity Rating

6.8.1.1 For assessing fixed noise sources, the Area Sensitivity Ratings at the NSRs are defined in accordance with the relevant TMs. NLH is considered as an Influencing Factor (IF) due to the daily traffic flow of greater than 30,000 vehicles. In addition, the Hong Kong International Airport is an IF. An Area Sensitivity Rating of "B" is therefore assigned for the NSRs indirectly influenced by the IF and "C" for NSR directly influenced by the IF according to the TM.

6.8.1.2 The Area Sensitivity Ratings are determined based on the best available information at this stage and are unlikely to be different at the time of project implementation unless there are substantial changes such as building redevelopment or land use changes in the near vicinity of the NSRs. Nothing in this report shall bind the Noise Control Authority in the context of law enforcement against any fixed noise sources being assessed.

6.8.2 Prevailing Noise Levels

6.8.2.1 Noise measurements have been conducted to establish the prevailing noise levels along the proposed alignment. **Appendix 6R** shows the location of prevailing background noise measurement. A summary is given in **Table 6-15**.

Table 6-15 Prevailing Noise Measurements

Area	Time Period [1]	Prevailing Noise Levels [2], dB(A) $L_{eq,\ 30\ min,\ dB(A)}$
Tung Chung Public Pier	Day & evening	51 - 59
	Night	45 - 47
Ngong Ping Skyrail Tung Chung Terminal	Day & evening	65 - 68
	Night	52 - 54
Coastal Skyline – Facing Tung Chung Waterfront Road	Day & evening	51 - 55
	Night	42 – 44
Caribbean Coast – Facing Ying Hei Road	Day & evening	61 – 63
	Night	50 - 53
Tung Chung East Future Development	Day & evening	48 - 58
	Night	45 - 55

Note:

[1] Day: 0700 to 1900 hours, Evening: 1900 to 2300 hours, Night: 2300 to 0700 hours

[2] Measurements conducted on March 2009

6.8.3 Noise Criteria

6.8.3.1 A summary of the noise criteria at NSRs caused by fixed plant noise is given in the following table. The prevailing noise level at each NSRs is based on its nearest prevailing background noise measurement location as shown in **Appendix 6R** and the prevailing noise level is extracted from **Table 6-16**.

Table 6-16 Summary of Noise Criteria at NSRs for Fixed Noise Sources

Area	Time Period [1]	Prevailing Noise Levels, dB(A) [1]	ASR	ANL-5 dB(A) [2]	Criteria dB(A) [#]
San Shek Wan (N1), Sha Lo Wan Chung Hau (N2),Tin Sum (N3), Ma Wan Chung (N4)	Day & evening	51	B	60	51
	Night	45	B	50	45
Yat Tung Estate (N5), Tung Chung West Development (N14)	Day & evening	51	B	60	51
	Night	45	B	50	45
Tung Chung Crescent (N6), Fu Tung Estate (N7) – Flats facing North	Day & evening	65	B	60	60
	Night	52	B	50	50
Seaview Crescent (N9), LeBleu (N11)	Day & evening	51	C	65	51
	Night	42	C	55	42
Caribbean Coast (N12), School near Caribbean Coast (N13) – Flats facing NLH	Day & evening	61	B	60	60
	Night	50	B	50	50
Tung Chung East Development (N15)	Day & evening	48	B	60	48
	Night	45	B	50	45

[#] = minimum of [1] & [2]

6.8.4 Fixed Noise Sources

HKBCF

6.8.4.1 A summary of the fixed noise sources within the HKBCF and HKLR include:

- Sewage Treatment Plant;
- Power Substation; and
- Seawater Intake Pumping Station

6.8.4.2 All the above noise sources (see Figure 6.4 for locations) would be accommodated inside solid buildings with louvers. In addition, all the NSRs are located at more than 1km from the above fixed industrial noise give the large separation distance, it is considered that the noise impacts would be insignificant and special noise mitigation measures are not required.

HKLR

6.8.4.3 The only fixed noise source in the HKLR is tunnel ventilation building at Scenic Hill (see **Figure 6.3**)

6.8.4.4 The separation distance between the tunnel ventilation building at Scenic Hill to the nearest NSRs at Tung Chung West Development (N14) is 550-650m. The resulting night-time sound power level for the tunnel ventilation building which comply the stipulated criterion of 45dB(A) as shown in **Table 6-16** is 104dB(A) (See Table 6-16A for details). The sound power level calculation was taken account into 3dB(A) of facade effect and 3dB(A) of tonality. The daytime sound power level is 110dB(A) and has been estimated taking into account of the daytime noise criterion.

6.8.4.5 The future design and selection of the ventilation shall also aim to reduce the effect of tonality at the sensitive receivers.

Table 6-16A Calculation of Maximum Sound Powel Level of the Ventilation Building of Scenic Hill Tunnel

	dB(A)	Remark
Night-time Noise Limit	45	AP154 of N14
Distance correction	+63	Separation distance of 550-650m
Tonality	-3	
Facade	-3	
Max SWL	104	Daytime SWL is 104 + 6 = 110 dB(A)

6.9 Conclusion

6.9.1 Construction noise assessment has been conducted. Results indicate that the noise impacts after the implementation of good site practices, quiet plant and some mitigation measures (eg temporary noise barriers etc) would comply with the stipulated noise criteria. Residual noise impacts are not anticipated.

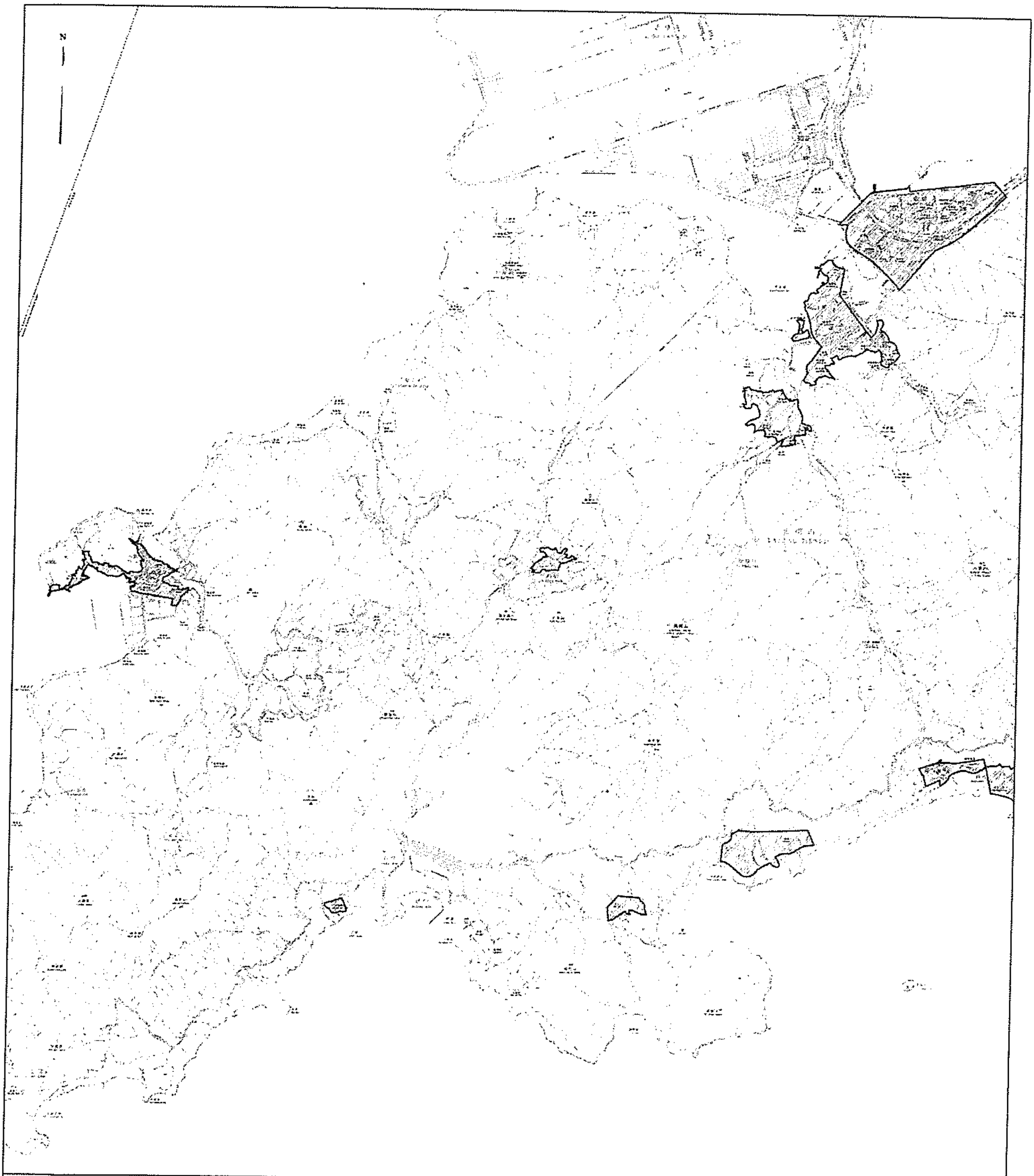
6.9.2 Cumulative road traffic noise impacts on neighbouring noise sensitive receiver has been assessed to comply with statutory requirement. Residual traffic noise impacts are not anticipated.

6.9.3 The proposed APM would not generate adverse noise impacts on the neighbouring receivers and hence additional noise mitigation measures are not required.

6.9.4 Assessments have also been conducted for the operation activities within HKBCF and HKLR. Given the large separation distance from the neighbouring receivers and they are house in concrete buildings, it has been concluded that adverse impacts are unlikely.

APPENDIX 6A

Designated Area – Lantau Island West



THE AREAS HATCHED AND ENCLOSED IN BOLD LINES ARE ESTABLISHED AS DESIGNATED AREAS UNDER SECTION 8A(1) OF THE NOISE CONTROL ORDINANCE (CHAPTER 400)

SECRETARY FOR THE ENVIRONMENT

DATE

噪音管制條例（第400章）
NOISE CONTROL ORDINANCE (CHAPTER 400)
指定範圍—大嶼山西
DESIGNATED AREAS - LANTAU ISLAND WEST

SCALE

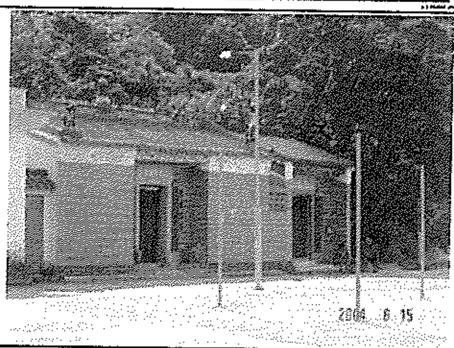
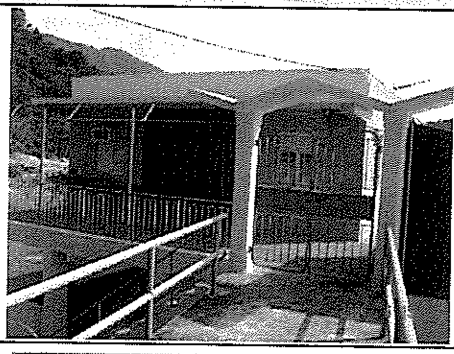
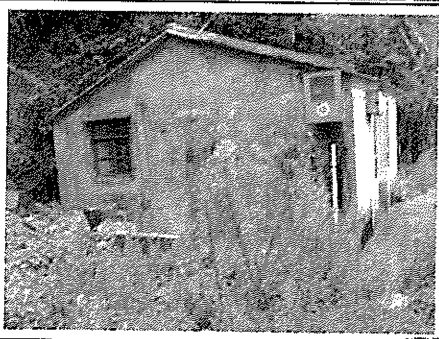
政府總部環境局
ENVIRONMENT BUREAU
GOVERNMENT SECRETARIAT

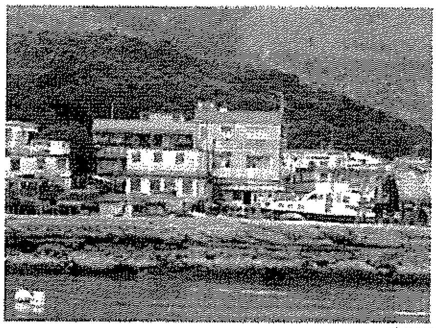
圖則編號 Plan No. EPD/AN/NT-05

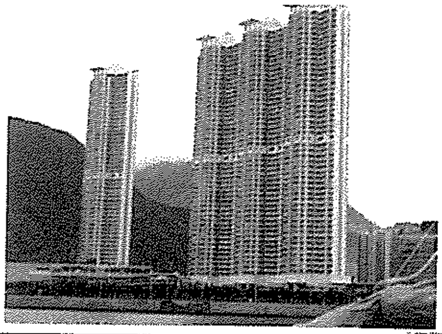
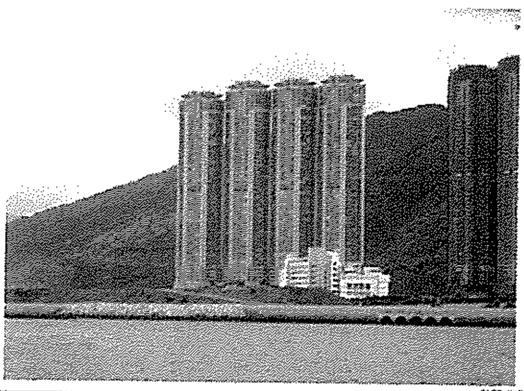
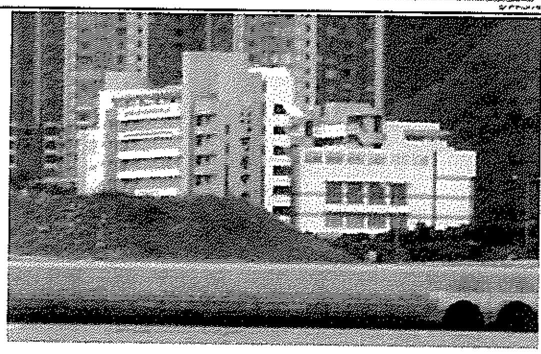
APPENDIX 6B

Noise Sensitive Receivers

Project: 25308 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities – Investigation
Title: Photos of NSRs

No.	NSR	Photo
N1	San Shek Wan	
N2	Sha Lo Wan Chung Hau	 
N3	Tin Sum	

No.	NSR	Photo
N4	Ma Wan Chung	
N5	Yat Tung Estate	
N6	Tung Chung Crescent	
N7	Fu Tung Estate	

No.	NSR	Photo
N9	Seaview Crescent	
N11	LeBleu	
N12	Caribbean Coast	
N13	Ho Yu College (Sik Sik Yuen) Ho Yu Primary School (Sik Sik Yuen)	

APPENDIX 6C

Construction Programme

Project: 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Tilte: Tentative Construction Programme

Year: 2010, 2011, 2012, 2013, 2014, 2015, 2016
Month: 8 9 10 11 12 | 1 2 3 4 5 6 7 8 9 10 11 12 | 1 2 3 4 5 6 7 8 9 10 11 12 | 1 2 3 4 5 6 7 8 9 10 11 12 | 1 2 3 4 5 6 7 8 9 10 11 12 | 1 2 3 4 5 6 7 8 9 10 11 12 | 1 2 3 4 5 6 7 8 9 10 11 12

Tentative Construction Activities Programme of HKLR for Noise Assessment

Contract Package I
- Site Preparation & Mobilization
- Piles, Pilecaps and Pier Construction in Portion I-a
- Construction of Bridge Deck in Portion I-a
- Erection of Deck Travellers / Launching Gantries
- Bridge Roadworks and Installation of Services
- TCSS: Installation and Testing
- Piles, Pilecaps and Pier Construction in Portion I-b
- Construction of Bridge Deck in Portion I-b
- Piles, Pilecaps and Pier Construction in Portion I-c
- Construction of Bridge Deck in Portion I-c
- Erection of Deck Travellers / Launching Gantries
- Bridge Roadworks and Installation of Services
- TCSS: Installation and Testing

Contract Package II
- Site Preparation & Mobilization
- Piles, Pilecaps and Pier Construction in Portion II-a
- Construction of Bridge Deck in Portion II-a
- Erection of Deck Travellers/Launching Gantries
- Bridge Roadworks and Installation of Services
- TCSS: Installation and Testing
- Piles, Pilecaps and Pier Construction in Portion II-b
- Construction of Bridge Deck in Portion II-b
- Piles, Pilecaps and Pier Construction in Portion II-c
- Construction of Bridge Deck in Portion II-c
- Piles, Pilecaps and Pier Construction in Portion II-d
- Construction of Bridge Deck in Portion II-d
- Piles, Pilecaps and Pier Construction in Portion II-e
- Construction of Bridge Deck in Portion II-e
- Erection of Deck Travellers/Launching Gantries
- Bridge Roadworks and Installation of Services
- TCSS: Installation and Testing

Contract Package III
- Site Preparation & Mobilization

Tunnel construction at Scenic Hill
- Preparatory works
- Tunnel Excavation & Internal Structure Constn
- Portal & Ventilation Building at Scenic Hill
- Roadworks, TCSS & E&M works inside whole tunnel

Tunnel construction at Airport Road
- Sheet piling installation
- Earthwork excavation
- Tunnel box construction
- Backfilling
- Pavement reinstatement of Airport Road

Tunnel construction under Airport Express Line
- Construction of shaft for horizontal pipe piles eqpt
- Horizontal pipe-pile jacking
- Tunnel excavation
- Tunnel box construction

Tunnel construction on reclamation
- Sheet piling installation
- Earthwork excavation
- Tunnel box construction
- Backfilling

Roadworks, TCSS & E&M works inside whole tunnel

Reclamation for Portion 1
- Dredging seawall
- Placing seawall core
- Placing sea armour rock
- Filling & surcharging
- Remove surcharge
- Construction of at-grade road

Reclamation for Portions 2
- Dredging seawall
- Placing seawall core
- Placing sea armour rock
- Filling & surcharging
- Remove surcharge
- Construction of at-grade road

Reclamation for Portions 3
- Dredging seawall
- Placing seawall core
- Placing sea armour rock
- Filling & surcharging
- Remove surcharge
- Construction of at-grade road

- Landscaping works
- TCSS: Installation and Testing

Tentative Construction Activities Programme of HKBCF for Noise Assessment

HKBCF Phase 1
- Site Preparation & Mobilization
- Reclamation Works
- Buildings & Roads on HKBCF
- Roadlink with Airport
- APM Construction & FSD Rescue Berth Relocation

HKBCF Phase 2
- Reclamation Works
- Buildings & Roads on HKBCF

Tentative Activities Programme of Work Area for Noise Assessment
- Work area 1 (Near J/O Scenic Rd & South Perimeter Rd at CLK Airport Island)
- Work Area 2 (Areas 16/52/53a/54/55a at Tung Chung reclamation area)
- Work Area 3 (Area in Cheung Tung Road adj. Siu Ho Wan Sewage Treatment Work)
- Work Area 4 (To Kau Wan)

APPENDIX 6D

Construction Plant Inventory

ARUP Ove Arup & Partners
Hong Kong

Job Title : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Heading : Plant Inventory

HKLR - Contract Package I (Site Preparation & Mobilization)				SWL of Single PME			Total SWL		
Worksite S1									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Preparation & Mobilization	May 2011 - June 2011	Compressor	2	104	103	93	107	106	96
		Excavator	1	110	104	104	110	104	104
		Generator	1	100	100	90	100	100	90
		Bulldozer	2	115	115	115	118	118	118
		Lorry	2	110	100	100	113	103	103
		Scraper	1	119	119	119	119	119	119
		Loader	1	110	104	104	110	104	104
		Motor Grader	1	113	113	113	113	113	113
				122	**121**	**121**	**123**	**122**	**122**

ARUP **Ove Arup & Partners**
Hong Kong

Job Title : **25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation**
Heading : **Plant Inventory**

HKLR - Contract Package I (Portion I-a)									
Worksite S2									
				SWL of Single PME			**Total SWL**		
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piles Construction	July 2011 - March 2012	Piling, Large Diameter Bored, rcd	1	100	100	100	100	100	100
		Crane Barge	1	102	102	102	102	102	102
				104	**104**	**104**	**104**	**104**	**104**
Pilecaps Construction	July 2011 - March 2012	Concrete Pump	1	109	107	102	109	107	102
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Water pump	2	103	103	93	106	106	96
		Generator	1	100	100	90	100	100	90
		Compressor	1	104	103	93	104	103	93
				113	**113**	**107**	**115**	**114**	**109**
Pier Construction	July 2011 - March 2012	Crane Barge	1	102	102	102	102	102	102
		Compressor	2	104	103	93	107	106	96
		Generator	2	100	100	90	103	103	93
		Concrete Pump	2	109	107	102	112	110	105
		Concrete truck	2	109	109	104	112	112	107
		Vibrator	4	113	100	100	119	106	106
				116	**113**	**109**	**121**	**116**	**112**
Construction of Bridge Deck	April 2012 - July 2012	Deck Traveller	3	107	107	107	112	112	112
		Barge	3	102	102	102	107	107	107
		Tug boat	3	103	103	103	108	108	108
		Generator	3	100	100	90	105	105	95
		Track-mounted Crane	3	107	97	97	112	102	102
		compressor	3	104	103	93	109	108	98
		Truck	3	117	104	104	122	109	109
				118	**112**	**111**	**123**	**116**	**116**
Erection of Bridge Deck Travellers / Lunching Gantries	Jan 2012 - March 2012	Crane	1	107	97	97	107	97	97
		winch	1	110	110	110	110	110	110
				112	**110**	**110**	**112**	**110**	**110**
Bridge Roadworks and installation services	Sept 2012 - July 2014	Lorry	4	110	100	100	116	106	106
		roller	2	105	98	98	108	101	101
		Concrete truck	6	109	109	104	117	117	112
		vibrator	12	113	100	100	124	111	111
		Asphalt paver	2	106	98	98	109	101	101
		Generator	12	100	100	90	111	111	101
				117	**111**	**108**	**126**	**119**	**115**
TCSS: Installation and Testing	Oct 2013 - Sept 2014	mobile crane	2	107	97	97	110	100	100
		Generator	2	100	100	90	103	103	93
		Crane Truck	2	112	112	112	115	115	115
				113	**112**	**112**	**116**	**115**	**115**

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HKLR - Contract Package I (Portion I-b)									
Worksite S3									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piles Construction	April 2012 - Dec 2012	Piling, Large Diameter Bored, rcd	1	100	100	100	100	100	100
		Crane Barge	1	102	102	102	102	102	102
				104	**104**	**104**	**104**	**104**	**104**
Pilecaps Construction	April 2012 - Dec 2012	Concrete Pump	2	109	107	102	112	110	105
		Concrete Mixer Truck	4	109	109	104	115	115	110
		Water pump	4	103	103	93	109	109	99
		Generator	2	100	100	90	103	103	93
		Compressor	2	104	103	93	107	106	96
				113	**113**	**107**	**118**	**117**	**112**
Pier Construction	April 2012 - Dec 2012	Crane Barge	1	102	102	102	102	102	102
		Compressor	2	104	103	93	107	106	96
		Generator	2	100	100	90	103	103	93
		Concrete Pump	2	109	107	102	112	110	105
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Vibratory Poker	4	113	100	100	119	106	106
				116	**113**	**109**	**121**	**116**	**112**
Construction of Bridge Deck	Aug 2012 - Nov 2012	Deck Traveller	3	107	107	107	112	112	112
		Barge	3	102	102	102	107	107	107
		Tug boat	3	103	103	103	108	108	108
		Generator	3	100	100	90	105	105	95
		Track-mounted Crane	3	107	97	97	112	102	102
		Compressor	3	104	103	93	109	108	98
		Truck	3	117	104	104	122	109	109
				118	**112**	**111**	**123**	**116**	**116**

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HKLR - Contract Package I (Portion I-c)				SWL of Single PME			Total SWL		
Worksite S4									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piles Construction	July 2011 - June 2013	Piling, Large Diameter Bored, rcd	4	100	100	100	106	106	106
		Crane Barge	4	102	102	102	108	108	108
				104	**104**	**104**	**110**	**110**	**110**
Pilecaps Construction	July 2011 - June 2013	Concrete Pump	8	109	107	102	118	116	111
		Concrete Mixer Truck	16	109	109	104	121	121	116
		Water pump	8	103	103	93	112	112	102
		Generator	8	100	100	90	109	109	99
		Compressor	8	104	103	93	113	112	102
				113	**113**	**107**	**124**	**123**	**118**
Pier Construction	July 2011 - June 2013	Crane Barge	8	102	102	102	111	111	111
		Compressor	8	104	103	93	113	112	102
		Generator	8	100	100	90	109	109	99
		Concrete Pump	8	109	107	102	118	116	111
		Concrete Mixer Truck	8	109	109	104	118	118	113
		Vibratory Poker	24	113	100	100	127	114	114
				116	**113**	**109**	**128**	**122**	**119**
Construction of Bridge Deck	April 2012 - Feb 2014	Deck Traveller	3	107	107	107	112	112	112
		Barge	3	102	102	102	107	107	107
		Tug boat	3	103	103	103	108	108	108
		Generator	3	100	100	90	105	105	95
		Track-mounted Crane	3	107	97	97	112	102	102
		Compressor	3	104	103	93	109	108	98
		Truck	3	117	104	104	122	109	109
				118	**112**	**111**	**123**	**116**	**116**
Erection of Bridge Deck Travellers / Lunching Gantries	Jan 2012 - March 2012	Crane	1	107	97	97	107	97	97
		Winch	1	110	110	110	110	110	110
				112	**110**	**110**	**112**	**110**	**110**
Bridge Roadworks and installation services	Sept 2012 - July 2014	Lorry	4	110	100	100	116	106	106
		Roller	2	105	98	98	108	101	101
		Concrete Mixer Truck	6	109	109	104	117	117	112
		Vibratory Poker	12	113	100	100	124	111	111
		Asphalt Paver	2	106	98	98	109	101	101
		Generator	12	100	100	90	111	111	101
				117	**111**	**108**	**126**	**119**	**115**
TCSS: Installation and Testing	Oct 2013 - Sept 2014	Mobile Crane	2	107	97	97	110	100	100
		Generator	2	100	100	90	103	103	93
		Crane Truck	2	112	112	112	115	115	115
				113	**112**	**112**	**116**	**115**	**115**

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HKLR - Contract Package II (Site Preparation & Mobilization)				SWL of Single PME			Total SWL		
Worksite S5									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Preparation & Mobilization	May 2011 - June 2011	Compressor	2	104	103	93	107	106	96
		Excavator	1	110	104	104	110	104	104
		Generator	1	100	100	90	100	100	90
		Bulldozer	2	115	115	115	118	118	118
		Lorry	2	110	100	100	113	103	103
		Scraper	1	119	119	119	119	119	119
		Loader	1	110	104	104	110	104	104
		Motor Grader	1	113	113	113	113	113	113
				122	**121**	**121**	**123**	**122**	**122**

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HKLR - Contract Package II (Portion II-a)				SWL of Single PME			Total SWL		
Worksite S6									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piles Construction	July 2011 - Nov 2011	Piling, Large Diameter Bored, rcd	1	100	100	100	100	100	100
		Crane Barge	1	102	102	102	102	102	102
				104	**104**	**104**	**104**	**104**	**104**
Pilecaps Construction	July 2011 - Nov 2011	Concrete Pump	1	109	107	102	109	107	102
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Water pump	2	103	103	93	106	106	96
		Generator	1	100	100	90	100	100	90
		Compressor	1	104	103	93	104	103	93
				113	**113**	**107**	**115**	**114**	**109**
Pier Construction	July 2011 - Nov 2011	Crane Barge	1	102	102	102	102	102	102
		Compressor	2	104	103	93	107	106	96
		Generator	2	100	100	90	103	103	93
		Concrete Pump	2	109	107	102	112	110	105
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Vibratory Poker	4	113	100	100	119	106	106
				116	**113**	**109**	**121**	**116**	**112**
Construction of Bridge Deck	Dec 2011 - Feb 2013	Deck Traveller	3	107	107	107	112	112	112
		Barge	3	102	102	102	107	107	107
		Tug boat	3	103	103	103	108	108	108
		Generator	3	100	100	90	105	105	95
		Track-mounted Crane	3	107	97	97	112	102	102
		Compressor	3	104	103	93	109	108	98
		Truck	3	117	104	104	122	109	109
				118	**112**	**111**	**123**	**116**	**116**
Erection of Bridge Deck Travellers / Lunching Gantries	Feb 2012 - Apr 2012	Crane	1	107	97	97	107	97	97
		Winch	1	110	110	110	110	110	110
				112	**110**	**110**	**112**	**110**	**110**
Bridge Roadworks and installation services	June 2012 - July 2014	Lorry	4	110	100	100	116	106	106
		Roller	2	105	98	98	108	101	101
		Concrete Mixer Truck	6	109	109	104	117	117	112
		Vibratory Poker	12	113	100	100	124	111	111
		Asphalt Paver	2	106	98	98	109	101	101
		Generator	12	100	100	90	111	111	101
				117	**111**	**108**	**126**	**119**	**115**
TCSS: Installation and Testing	Oct 2013 - Sept 2014	Mobile Crane	2	107	97	97	110	100	100
		Generator	2	100	100	90	103	103	93
		Crane Truck	2	112	112	112	115	115	115
				113	**112**	**112**	**116**	**115**	**115**

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HKLR - Contract Package II (Portion II-b)									
Worksite S7									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piles Construction	Oct 2011 - Feb 2012	Piling, Large Diameter Bored, rcd	1	100	100	100	100	100	100
		Crane Barge	1	102	102	102	102	102	102
				104	**104**	**104**	**104**	**104**	**104**
Pilecaps Construction	Oct 2011 - Feb 2012	Concrete Pump	1	109	107	102	109	107	102
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Water pump	2	103	103	93	106	106	96
		Generator	1	100	100	90	100	100	90
		Compressor	1	104	103	93	104	103	93
				113	**113**	**107**	**115**	**114**	**109**
Pier Construction	Oct 2011 - Feb 2012	Crane Barge	1	102	102	102	102	102	102
		Compressor	2	104	103	93	107	106	96
		Generator	2	100	100	90	103	103	93
		Concrete Pump	2	109	107	102	112	110	105
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Vibratory Poker	4	113	100	100	119	106	106
				116	**113**	**109**	**121**	**116**	**112**
Construction of Bridge Deck	March 2012 - May 2013	Deck Traveller	3	107	107	107	112	112	112
		Barge	3	102	102	102	107	107	107
		Tug boat	3	103	103	103	108	108	108
		Generator	3	100	100	90	105	105	95
		Track-mounted Crane	3	107	97	97	112	102	102
		Compressor	3	104	103	93	109	108	98
		Truck	3	117	104	104	122	109	109
				118	**112**	**111**	**123**	**116**	**116**

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HKLR - Contract Package II (Portion II-c)				SWL of Single PME			Total SWL		
Worksite S8									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piles Construction	Jan 2012 - May 2012	Piling, Large Diameter Bored, rcd	1	100	100	100	100	100	100
		Crane Barge	1	102	102	102	102	102	102
				104	**104**	**104**	**104**	**104**	**104**
Pilecaps Construction	Jan 2012 - May 2012	Concrete Pump	1	109	107	102	109	107	102
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Water pump	2	103	103	93	106	106	96
		Generator	1	100	100	90	100	100	90
		Compressor	1	104	103	93	104	103	93
				113	**113**	**107**	**115**	**114**	**109**
Pier Construction	Jan 2012 - May 2012	Crane Barge	1	102	102	102	102	102	102
		Compressor	2	104	103	93	107	106	96
		Generator	2	100	100	90	103	103	93
		Concrete Pump	2	109	107	102	112	110	105
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Vibratory Poker	4	113	100	100	119	106	106
				116	**113**	**109**	**121**	**116**	**112**
Construction of Bridge Deck	June 2012 - Aug 2013	Deck Traveller	3	107	107	107	112	112	112
		Barge	3	102	102	102	107	107	107
		Tug boat	3	103	103	103	108	108	108
		Generator	3	100	100	90	105	105	95
		Track-mounted Crane	3	107	97	97	112	102	102
		Compressor	3	104	103	93	109	108	98
		Truck	3	117	104	104	122	109	109
				118	**112**	**111**	**123**	**116**	**116**

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HKLR - Contract Package II (Portion II-d)									
Worksite S9									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piles Construction	Apr 2012 - Aug 2012	Piling, Large Diameter Bored, rcd	1	100	100	100	100	100	100
		Crane Barge	1	102	102	102	102	102	102
				104	**104**	**104**	**104**	**104**	**104**
Pilecaps Construction	Apr 2012 - Aug 2012	Concrete Pump	1	109	107	102	109	107	102
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Water pump	2	103	103	93	106	106	96
		Generator	1	100	100	90	100	100	90
		Compressor	1	104	103	93	104	103	93
				113	**113**	**107**	**115**	**114**	**109**
Pier Construction	Apr 2012 - Aug 2012	Crane Barge	1	102	102	102	102	102	102
		Compressor	2	104	103	93	107	106	96
		Generator	2	100	100	90	103	103	93
		Concrete Pump	2	109	107	102	112	110	105
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Vibratory Poker	4	113	100	100	119	106	106
				116	**113**	**109**	**121**	**116**	**112**
Construction of Bridge Deck	Sept 2012 - Nov 2013	Deck Traveller	3	107	107	107	112	112	112
		Barge	3	102	102	102	107	107	107
		Tug boat	3	103	103	103	108	108	108
		Generator	3	100	100	90	105	105	95
		Track-mounted Crane	3	107	97	97	112	102	102
		Compressor	3	104	103	93	109	108	98
		Truck	3	117	104	104	122	109	109
				118	**112**	**111**	**123**	**116**	**116**

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HKLR - Contract Package II (Portion II-e)									
Worksite S10				**SWL of Single PME**			**Total SWL**		
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piles Construction	July 2011 - Dec 2013	Piling, Large Diameter Bored, rcd	1	100	100	100	100	100	100
		Crane Barge	1	102	102	102	102	102	102
				104	**104**	**104**	**104**	**104**	**104**
Pilecaps Construction	July 2011 - Dec 2013	Concrete Pump	2	109	107	102	112	110	105
		Concrete Mixer Truck	4	109	109	104	115	115	110
		Water pump	4	103	103	93	109	109	99
		Generator	2	100	100	90	103	103	93
		Compressor	2	104	103	93	107	106	96
				113	**113**	**107**	**118**	**117**	**112**
Pier Construction	July 2011 - Dec 2013	Crane Barge	1	102	102	102	102	102	102
		Compressor	2	104	103	93	107	106	96
		Generator	2	100	100	90	103	103	93
		Concrete Pump	2	109	107	102	112	110	105
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Vibratory Poker	4	113	100	100	119	106	106
				116	**113**	**109**	**121**	**116**	**112**
Construction of Bridge Deck	Jan 2012 - Feb 2014	Deck Traveller	3	107	107	107	112	112	112
		Barge	3	102	102	102	107	107	107
		Tug boat	3	103	103	103	108	108	108
		Generator	3	100	100	90	105	105	95
		Track-mounted Crane	3	107	97	97	112	102	102
		Compressor	3	104	103	93	109	108	98
		Truck	3	117	104	104	122	109	109
				118	**112**	**111**	**123**	**116**	**116**
Erection of Bridge Deck Travellers / Lunching Gantries	Feb 2012 - Apr 2012	Crane	1	107	97	97	107	97	97
		Winch	1	110	110	110	110	110	110
				112	**110**	**110**	**112**	**110**	**110**
Bridge Roadworks and installation services	June 2012 - July 2014	Lorry	4	110	100	100	116	106	106
		Roller	2	105	98	98	108	101	101
		Concrete Mixer Truck	6	109	109	104	117	117	112
		Vibratory Poker	12	113	100	100	124	111	111
		Asphalt Paver	2	106	98	98	109	101	101
		Generator	12	100	100	90	111	111	101
				117	**111**	**108**	**126**	**119**	**115**
TCSS: Installation and Testing	Oct 2013 - Sept 2014	Mobile Crane	2	107	97	97	110	100	100
		Generator	2	100	100	90	103	103	93
		Crane Truck	2	112	112	112	115	115	115
				113	**112**	**112**	**116**	**115**	**115**

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HKLR - Contract Package III (Site Preparation & Mobilization)				SWL of Single PME			Total SWL		
Worksite S11									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Preparation & Mobilization	Jan 2011 - March 2011	Excavator	3	110	104	104	115	109	109
		Mower	2	115	115	115	118	118	118
		Lorry	3	110	100	100	115	105	105
		Crane Truck	2	112	112	112	115	115	115
				118	**117**	**117**	**122**	**120**	**120**

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HKLR - Contract Package III (Tunnel Construction at Scenic Hill)				SWL of Single PME			Total SWL		
Worksite S12									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Preparatory Works	Apr 2011 - July 2011	Bulldozer	2	115	115	115	118	118	118
		Excavator	1	110	104	104	110	104	104
		Dump Truck	5	117	104	104	124	111	111
		Water Pump	1	103	103	93	103	103	93
				120	**116**	**116**	**125**	**119**	**119**
Tunnel Excavation & Internal Structure Consin	Aug 2011 - Dec 2013	Hydraulic breaker	4	121	109	109	127	115	115
		Compressor	4	104	103	93	110	109	99
		Concrete Truck	4	109	109	104	115	115	110
		Excavator	2	110	104	104	113	107	107
		Mobile Crane	2	107	97	97	110	100	100
		Lorry	2	110	100	100	113	103	103
				122	**113**	**112**	**128**	**119**	**117**
Portal & Ventilation Building at Scenic Hill	Jan 2013 - Sept 2014	Compressor	2	104	103	93	107	106	96
		Concrete Truck	2	109	109	104	112	112	107
		Backhoe	2	110	104	104	113	107	107
		Mobile Crane	2	107	97	97	110	100	100
		Generator	2	100	100	90	103	103	93
		Vibratory Poker	5	113	100	100	120	107	107
				117	**112**	**108**	**122**	**115**	**112**
Roadworks, TCSS & E&M works inside whole Tunnel	Jan 2013 - Sept 2014	Generator	1	100	100	90	100	100	90
		Crane Truck	2	112	112	112	115	115	115
		Lorry	1	110	100	100	110	100	100
		Roller	1	105	98	98	105	98	98
		Concrete Mixer Truck	1	109	109	104	109	109	104
		Vibratory Poker	1	113	100	100	113	100	100
		Asphalt Paver	1	106	98	98	106	98	98
		Generator	1	100	100	90	100	100	90
				118	**115**	**113**	**119**	**117**	**116**

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Job Title : **25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation**
Heading : **Plant Inventory**

HKLR - Contract Package III (Tunnel Construction at Airport Road)				SWL of Single PME			Total SWL		
Worksite S13									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Sheet Piling Installation	Apr 2011 - Sept 2011	Hydraulic Vibratory Driver	2	94	94	94	97	97	97
				94	**94**	**94**	**97**	**97**	**97**
Earthwork Excavation	Aug 2011 - Jan 2012	Backactor	2	110	104	104	113	107	107
		Hydraulic breaker	2	121	109	109	124	112	112
		Truck	2	117	104	104	120	107	107
		Hand-held breaker	4	113	113	113	119	119	119
				123	**115**	**115**	**127**	**120**	**120**
Tunnel Box Construction	Dec 2011 - Feb 2013	Concrete Truck	2	109	109	104	112	112	107
		Vibratory Poker	2	113	100	100	116	103	103
		Compressor	2	104	103	93	107	106	96
		mobile crane	1	107	97	97	107	97	97
		bar bending machine	2	90	90	90	93	93	93
				115	**111**	**106**	**118**	**114**	**109**
Backfilling	March 2013 - July 2013	Truck	2	117	104	104	120	107	107
		Compactor	2	105	105	105	108	108	108
				117	**108**	**108**	**120**	**111**	**111**
Pavement Reinstatement of Airport Road	Aug 2013 - Oct 2013	Lorry	1	110	100	100	110	100	100
		Compressor	1	104	103	93	104	103	93
		Concrete Mixer Truck	1	109	109	104	109	109	104
		Vibratory Poker	2	113	100	100	116	103	103
		Asphalt Paver	1	106	98	98	106	98	98
		Generator	1	100	100	90	100	100	90
		Roller	1	105	98	98	105	98	98
				117	**112**	**108**	**118**	**112**	**109**

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Hong Kong

Job Title : **25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation**
Heading : **Plant Inventory**

HKLR - Contract Package III (Tunnel Construction under Airport Express Line)				SWL of Single PME			Total SWL		
Worksite S14									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Construction of Shaft for Horizontal pipe piles eqpt	Apr 2011 - Sept 2011	Hydraulic Vibratory Driver	2	94	94	94	97	97	97
		Backactor	1	110	104	104	110	104	104
		Hydraulic Breaker	1	121	109	109	121	109	109
		Truck	1	117	104	104	117	104	104
		Hand-held Breaker	2	113	113	113	116	116	116
				123	**115**	**115**	**124**	**117**	**117**
Horizontal pipe-pile jacking	Oct 2011 - Sept 2012	Compressor	2	104	103	93	107	106	96
		Generator	2	100	100	90	103	103	93
		Horizontal Jack	2	112	112	112	115	115	115
		Excavator	4	110	104	104	116	110	110
				115	**113**	**113**	**119**	**117**	**116**
Tunnel Excavation	Apr 2012 - March 2013	Backactor	3	110	104	104	115	109	109
		Hydraulic Breaker	3	121	109	109	126	114	114
		Truck	3	117	104	104	122	109	109
		Hand-held Breaker	3	113	113	113	118	118	118
				123	**115**	**115**	**128**	**120**	**120**
Tunnel Box Construction	Oct 2012 - Dec 2013	Concrete Truck	2	109	109	104	112	112	107
		Vibratory Poker	2	113	100	100	116	103	103
		Compressor	2	104	103	93	107	106	96
		Mobile crane	1	107	97	97	107	97	97
		Bar bending Machine	1	90	90	90	90	90	90
				115	**111**	**106**	**118**	**114**	**109**

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Job Title : **25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation**
Heading : **Plant Inventory**

HKLR - Contract Package III (Tunnel Construction on Reclamation)									
Worksite S15									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Sheet Piling Installation	Nov 2012 - Jan 2013	Hydraulic Vibratory Driver	2	94	94	94	97	97	97
				94	**94**	**94**	**97**	**97**	**97**
Earthwork Excavation	Feb 2013 - July 2013	Backactor	2	110	104	104	113	107	107
		Hydraulic Breaker	2	121	109	109	124	112	112
		Truck	2	117	104	104	120	107	107
		Hand-held Breaker	2	113	113	113	116	116	116
		Vibrator	2	113	100	100	116	103	103
				124	**115**	**115**	**127**	**118**	**118**
Tunnel Box Construction	Aug 2013 - Apr 2014	Concrete Truck	2	109	109	104	112	112	107
		Vibratory Poker	2	113	100	100	116	103	103
		Compressor	2	104	103	93	107	106	96
		Mobile Crane	1	107	97	97	107	97	97
		Bar Bending Machine	1	90	90	90	90	90	90
				115	**111**	**106**	**118**	**114**	**109**
Backfilling	Feb 2014 - July 2014	Dump Truck	2	117	104	104	120	107	107
		Compactor	2	105	105	105	108	108	108
				117	**108**	**108**	**120**	**111**	**111**
Roadworks, TCSS & E&M Works inside whole Tunnel	Jan 2013 - Sept 2014	Generator	1	100	100	90	100	100	90
		Crane Truck	1	112	112	112	112	112	112
		Lorry	1	110	100	100	110	100	100
		Roller	1	105	98	98	105	98	98
		Concrete Mixer Truck	1	109	109	104	109	109	104
		Vibratory Poker	1	113	100	100	113	100	100
		Asphalt paver	1	106	98	98	106	98	98
		Generator	1	100	100	90	100	100	90
				118	**115**	**113**	**118**	**115**	**113**

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Job Title : **25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation**
Heading : **Plant Inventory**

HKLR - Reclamation for Portion I									
Worksite S16									
Activity	Months	PME	Units	**SWL of Single PME**			**Total SWL**		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Dredging seawall	Feb 2011 - June 2012	Grab dredger	3	112	112	112	117	117	117
		Tug boat	3	103	103	103	108	108	108
				113	**113**	**113**	**117**	**117**	**117**
Placing Seawall Core	July 2011 - March 2012	Tug boat	3	103	103	103	108	108	108
		Derrick Lighter	3	102	102	102	107	107	107
				106	**106**	**106**	**111**	**111**	**111**
Placing sea armour rock	Oct 2011 - Apr 2012	Tug boat	3	103	103	103	108	108	108
		Derrick lighter	3	102	102	102	107	107	107
				106	**106**	**106**	**111**	**111**	**111**
Filling & Surcharging	Feb 2012 - March 2013	Tug Boat	14	103	103	103	114	114	114
		Derrick Lighter	14	102	102	102	114	114	114
				106	**106**	**106**	**117**	**117**	**117**
Remove Subcharge	Apr 2013 - June 2013	Excavator	6	110	104	104	118	112	112
		Truck	10	117	104	104	127	114	114
				118	**107**	**107**	**128**	**116**	**116**
Construction of at-Grade Road	July 2013 - Sept 2014	Excavator	2	110	104	104	113	107	107
		Lorry	2	110	100	100	113	103	103
		Compressor	2	104	103	93	107	106	96
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Vibratory Poker	2	113	100	100	116	103	103
		Asphalt Paver	2	106	98	98	109	101	101
		Generator	2	100	100	90	103	103	93
		Roller	2	105	98	98	108	101	101
				118	**112**	**110**	**121**	**115**	**113**
Landscaping Works	Jan 2014 - Sept 2014	Excavator	1	110	104	104	110	104	104
		Compactor	1	105	105	105	105	105	105
		Generator	1	100	100	90	100	100	90
		Crane Truck	1	112	112	112	112	112	112
				115	**114**	**113**	**115**	**114**	**113**
TCSS: Installation and Testing	Oct 2013 - Sept 2014	Mobile Crane	1	107	97	97	107	97	97
		Generator	1	100	100	90	100	100	90
		Crane Truck	2	112	112	112	115	115	115
				113	**112**	**112**	**116**	**115**	**115**

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Job Title : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Heading : Plant Inventory

HKLR - Reclamation for Portion II									
Worksite S17									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Dredging seawall	March 2012 - Sept 2012	Grab dredger	3	112	112	112	117	117	117
		Tug boat	3	103	103	103	108	108	108
				113	**113**	**113**	**117**	**117**	**117**
Placing Seawall Core	Aug 2012 - Apr 2013	Tug boat	3	103	103	103	108	108	108
		Derrick Lighter	3	102	102	102	107	107	107
				106	**106**	**106**	**111**	**111**	**111**
Placing sea armour rock	Nov 2012 - May 2013	Tug boat	3	103	103	103	108	108	108
		Derrick lighter	3	102	102	102	107	107	107
				106	**106**	**106**	**111**	**111**	**111**
Filling & Surcharging	March 2013 - Oct 2013	Tug Boat	14	103	103	103	114	114	114
		Derrick Lighter	14	102	102	102	114	114	114
				106	**106**	**106**	**117**	**117**	**117**
Remove Subcharge	Nov 2013 - Dec 2013	Excavator	6	110	104	104	118	112	112
		Truck	10	117	104	104	127	114	114
				118	**107**	**107**	**128**	**116**	**116**
Construction of at Grade Road	Jan 2014 - Sept 2014	Excavator	2	110	104	104	113	107	107
		Lorry	2	110	100	100	113	103	103
		Compressor	2	104	103	93	107	106	96
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Vibratory Poker	2	113	100	100	116	103	103
		Asphalt Paver	2	106	98	98	109	101	101
		Generator	2	100	100	90	103	103	93
		Roller	2	105	98	98	108	101	101
				118	**112**	**110**	**121**	**115**	**113**

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Job Title : **25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation**
Heading : **Plant Inventory**

HKLR - Reclamation for Portion III									
Worksite S18									
				SWL of Single PME			Total SWL		
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Dredging seawall	March 2012 - Sept 2012	Grab dredger	3	112	112	112	117	117	117
		Tug boat	3	103	103	103	108	108	108
				113	**113**	**113**	**117**	**117**	**117**
Placing Seawall Core	Aug 2012 - Apr 2013	Tug boat	3	103	103	103	108	108	108
		Derrick Lighter	3	102	102	102	107	107	107
				106	**106**	**106**	**111**	**111**	**111**
Placing sea armour rock	Nov 2012 - May 2013	Tug boat	3	103	103	103	108	108	108
		Derrick lighter	3	102	102	102	107	107	107
				106	**106**	**106**	**111**	**111**	**111**
Filling & Surcharging	March 2013 - Oct 2013	Tug Boat	14	103	103	103	114	114	114
		Derrick Lighter	14	102	102	102	114	114	114
				106	**106**	**106**	**117**	**117**	**117**
Remove Subcharge	Nov 2013 - Dec 2013	Excavator	6	110	104	104	118	112	112
		Truck	10	117	104	104	127	114	114
				118	**107**	**107**	**128**	**116**	**116**
Construction of at Grade Road	Jan 2014 - Sept 2014	Excavator	2	110	104	104	113	107	107
		Lorry	2	110	100	100	113	103	103
		Compressor	2	104	103	93	107	106	96
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Vibratory Poker	2	113	100	100	116	103	103
		Asphalt Paver	2	106	98	98	109	101	101
		Generator	2	100	100	90	103	103	93
		Roller	2	105	98	98	108	101	101
				118	**112**	**110**	**121**	**115**	**113**
Landscaping Works	Jan 2014 - Sept 2014	Excavator	1	110	104	104	110	104	104
		Compactor	1	105	105	105	105	105	105
		Generator	1	100	100	90	100	100	90
		Crane Truck	1	112	112	112	112	112	112
				115	**114**	**113**	**115**	**114**	**113**
TCSS: Installation and Testing	Oct 2013 - Sept 2014	Mobile Crane	1	107	97	97	107	97	97
		Generator	1	100	100	90	100	100	90
		Crane Truck	1	112	112	112	112	112	112
				113	**112**	**112**	**113**	**112**	**112**

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Job Title : **25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation**
Heading : **Plant Inventory**

HKLR - Works Area WA1				SWL of Single PME			Total SWL		
Worksite S19									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Barging Point for Construction	Aug 2010 - Dec 2015	Barge	1	102	102	102	102	102	102
				102	**102**	**102**	**102**	**102**	**102**

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Job Title : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Heading : Plant Inventory

HKBCF - Phase 1

Worksite S20

Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Preparation & Mobilization	Aug 2010 - Sept 2010	Grab Dredger	7	112	112	112	120	120	120
		Tug Boat	4	103	103	103	109	109	109
		Hopper Barge	7	102	102	102	111	111	111
		Derrick Lighter	1	102	102	102	102	102	102
				113	**113**	**113**	**121**	**121**	**121**
Reclamation Works	Sept 2010 - Dec 2013	Grab Dredger	17	112	112	112	124	124	124
		Tug Boat	56	103	103	103	120	120	120
		Derrick Lighter	18	102	102	102	115	115	115
		Pelican Barge	88	102	102	102	122	122	122
		Derrick Lighter	12	102	102	102	113	113	113
		Crane	15	107	97	97	119	109	109
		Bulldozer	15	115	115	115	127	127	127
		Excavator	34	110	104	104	126	120	120
		Compressor	20	104	103	93	117	116	106
		Truck	20	117	104	104	130	117	117
				121	**118**	**118**	**134**	**131**	**131**
Building & Roads on HKBCF	May 2011 - Sept 2014	Truck	40	117	104	104	133	120	120
		Backactor	25	110	104	104	124	118	118
		Compressor	35	104	103	93	119	118	108
		Hand-held Breaker	25	113	113	113	127	127	127
		Concrete Mixer Truck	15	109	109	104	121	121	116
		Concrete Pump	30	109	107	102	124	122	117
		Vibrator	63	113	100	100	131	118	118
		Crawler Crane	20	102	102	102	115	115	115
		Generator	26	100	100	90	114	114	104
		Launching Girder	3	107	107	107	112	112	112
		Piling, Large Diameter Bored, rcd	6	100	100	100	108	108	108
		Lorry	20	110	100	100	123	113	113
		Bar Bending Machine	20	90	90	90	103	103	103
		Motor grader	4	113	113	113	119	119	119
		Asphalt Paver	4	106	98	98	112	104	104
		Roller	6	105	98	98	113	106	106
				122	**119**	**118**	**137**	**131**	**130**
APM Construction	Sept 2010 - Sept 2014	Generator	2	100	100	90	103	103	93
		Compressor	2	104	103	93	107	106	96
		Excavator	2	110	104	104	113	107	107
		Truck	4	117	104	104	123	110	110
		Mobile Crane	3	107	97	97	112	102	102
		Water Pump	4	103	103	93	109	109	99
		Hydraulic Vibratory Driver	2	94	94	94	97	97	97
		Concrete Mixer Truck	5	109	109	104	116	116	111
		Concrete Truck	4	109	109	104	115	115	110
		Lorry	5	110	100	100	117	107	107
		Vibrator	8	113	100	100	122	109	109
		Compactor	4	105	105	105	111	111	111
		Roller	2	105	98	98	108	101	101
		Asphalt Paver	2	106	98	98	109	101	101
		Hand-held Breaker	4	113	113	113	119	119	119
		Breaker (Pneumatic)	4	121	121	116	127	127	122
		Grab Dredger	2	112	112	112	115	115	115
		Tug Boat	5	103	103	103	110	110	110
		Hopper Barge	2	102	102	102	105	105	105
		Mobile Crane	2	107	97	97	110	100	100
		Pelican Barge	11	102	102	102	113	113	113
				125	**123**	**120**	**131**	**129**	**126**

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Job Title : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Heading : Plant Inventory

HKBCF - Roadlink with Airport									
Worksite S21				SWL of Single PME			Total SWL		
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Roadlink with Airport	Jan 2012 - Sept 2014	Dump Truck	4	117	104	104	123	110	110
		Backactor	8	110	104	104	119	113	113
		Compressor	6	104	103	93	112	111	101
		Hand-held Breaker	8	113	113	113	122	122	122
		Concrete Mixer Truck	8	109	109	104	118	118	113
		Concrete Pump	6	109	107	102	117	115	110
		Vibrator	5	113	100	100	120	107	107
		backactor	5	110	104	104	117	111	111
		Crawler Crane	6	102	102	102	110	110	110
		Generator	6	100	100	90	108	108	98
		Launching Girder	1	107	107	107	107	107	107
		Motor Grader	3	113	113	113	118	118	118
		Asphalt Paver	3	106	98	98	111	103	103
		Roller	3	105	98	98	110	103	103
		Lorry	4	110	100	100	116	106	106
		Piling, Large Diameter Bored, rcd	4	100	100	100	106	106	106
				122	**119**	**118**	**129**	**126**	**125**

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Job Title : **25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation**
Heading : **Plant Inventory**

HKBCF - Phase 2									
Worksite S22									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Reclamation Works	Aug 2011 - Oct 2014	Grab dredger	4	112	112	112	118	118	118
		Tug boat	3	103	103	103	108	108	108
		Hopper Barge	4	102	102	102	108	108	108
		SCP Barge	1	102	102	102	102	102	102
		Pelican Barge	44	102	102	102	119	119	119
		Tug boat	22	103	103	103	116	116	116
		Derrick Lighter	8	102	102	102	111	111	111
		SCP Barge	1	102	102	102	102	102	102
		Crane	15	107	97	97	119	109	109
		bulldozer	15	115	115	115	127	127	127
		Excavator	24	110	104	104	124	118	118
		Truck	10	117	104	104	127	114	114
		Compressor	20	104	103	93	117	116	106
				121	**118**	**118**	**132**	**129**	**129**
Buildings & Roads on HKBCF	May 2014 - June 2016	Compressor	11	104	103	93	114	113	103
		Concrete Mixer Truck	7	109	109	104	117	117	112
		Concrete Pump	7	109	107	102	117	115	110
		Vibrator	20	113	100	100	126	113	113
		Backactor	8	110	104	104	119	113	113
		Crawler Crane	9	102	102	102	112	112	112
		Generator	8	100	100	90	109	109	99
		Bar Bending Machine	8	90	90	90	99	99	99
		Piling, Large Diameter Bored, rcd	2	100	100	100	103	103	103
		Lorry	10	110	100	100	120	110	110
		Dump Truck	18	117	104	104	130	117	117
		Motor Grader	3	113	113	113	118	118	118
		Asphalt Paver	3	106	98	98	111	103	103
		Roller	4	105	98	98	111	104	104
				122	**117**	**116**	**132**	**125**	**123**

APPENDIX 6E

Sound Power Level of Construction Plant Inventory

Project : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : SWLs of PMEs

PME	% Operation	Corr, dB(A)	Unmitigated SWLs					Quiet Plant				Mitigated Scenario				
			ID	Description	Power rating Size, wieght	PME SWL, dB(A)	Unmitigated SWL, dB(A)	ID	Power rating Size, wieght	PME SWL, dB(A)	Quiet Plant SWL, dB(A)	Enclosure, dB(A)	Barrier, dB(A)	Acoustic Mat, dB(A)	Total Reduction, dB(A)	Mitigated SWL, dB(A)
Compressor	100	0	CNP003	Air compressor, air flow > 30m3/min	-	104	104	C7-44	above 34m3/n	103	103	-10			-10	93
Asphalt paver	50	-3	CNP004	Asphalt paver	-	109	106	C8-24	90kW, 13t	101	98				0	98
Bar bending machine	100	0	CNP021	Bar bender and cutter (electric)	-	90	90				90				0	90
Hand-held breaker	80	-1	CNP026	Breaker, hand-held, mass > 35kg	-	114	113				113		0		0	113
Breaker (Pneumatic)	80	-1	CNP027	Breaker, excavator mounted (pneumatic)	-	122	121				121		-5		-5	116
Hydraulic breaker	80	-1	CNP028	Breaker, excavator mounted (hydraulic)	-	122	121	C8-13	73kW, 200kg	110	109		0		0	109
Bulldozer	100	0	CNP030	Bulldozer	-	115	115				115				0	115
Mower	100	0	CNP030	Bulldozer	-	115	115				115				0	115
Concrete truck	100	0	CNP044	Concrete lorry mixer	-	109	109				109		-5		-5	104
Concrete Mixer Truck	100	0	CNP044	Concrete lorry mixer	-	109	109				109		-5		-5	104
Concrete pump	100	0	CNP047	Concrete pump, stationary / lorry mounted	-	109	109	C6-34	100kW	107	107		-5		-5	102
Mobile crane	30	-5	CNP048	Crane, mobile / barge mounted (diesel)	-	112	107	C7-112	58kW, 34t	102	97				0	97
Track-mounted Crane	30	-5	CNP048	Crane, mobile / barge mounted (diesel)	-	112	107	C7-112	58kW, 34t	102	97				0	97
Crane	30	-5	CNP048	Crane, mobile / barge mounted (diesel)	-	112	107	C7-112	58kW, 34t	102	97				0	97
Compactor	100	0	CNP050	Compactor, vibratory	-	105	105				105				0	105
Derrick lighter	70	-2	CNP061	Derrick Barge	-	104	102				102				0	102
Crane Barge	70	-2	CNP061	Derrick Barge	-	104	102				102				0	102
Barge	70	-2	CNP061	Derrick Barge	-	104	102				102				0	102
Hopper Barge	70	-2	CNP061	Derrick Barge	-	104	102				102				0	102
Pelican Barge	70	-2	CNP061	Derrick Barge	-	104	102				102				0	102
SCP Barge	70	-2	CNP061	Derrick Barge	-	104	102				102				0	102
Grab dredger	100	0	CNP063	Dredger, grab	-	112	112				112				0	112
Truck	100	0	CNP067	Dump truck	-	117	117	C3-60	24t	104	104				0	104
Dump Truck	100	0	CNP067	Dump truck	-	117	117	C3-60	24t	104	104				0	104
Excavator	70	-2	CNP081	Excavator / loader, wheeled / tracked	-	112	110	C3-35	45kW	106	104				0	104
Loader	70	-2	CNP081	Excavator / loader, wheeled / tracked	-	112	110	C3-35	45kW	106	104				0	104
Backactor	70	-2	CNP081	Excavator / loader, wheeled / tracked	-	112	110	C3-35	45kW	106	104				0	104
Backhoe	70	-2	CNP081	Excavator / loader, wheeled / tracked	-	112	110	C3-35	45kW	106	104				0	104

Project : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : SWLs of PMEs

PME	% Operation	Corr, dB(A)	Unmitigated SWLs					Quiet Plant				Mitigated Scenario				
			ID	Description	Power rating Size, wieght	PME SWL, dB(A)	Unmitigated SWL, dB(A)	ID	Power rating Size, wieght	PME SWL, dB(A)	Quiet Plant SWL, dB(A)	Enclosure, dB(A)	Barrier, dB(A)	Acoustic Mat, dB(A)	Total Reduction, dB(A)	Mitigated SWL, dB(A)
Generator	100	0	CNP102	Generator, silenced, 75dB(A) at 7m	-	100	100				100	-10			-10	90
Motor Grader	100	0	CNP104	Grader	-	113	113				113				0	113
Lorry	70	-2	CNP141	Lorry	-	112	110	C9-19	20t	102	100				0	100
Piling, Large Diameter Bored, rcd	100	0	CNP166	Piling, large dia bored, RCD	-	100	100				100				0	100
Vibrator	100	0	CNP170	Poker, vibratory, hand held	-	113	113	C6-32	-	100	100				0	100
Vibratory Poker	100	0	CNP170	Poker, vibratory, hand held	-	113	113	C6-32	-	100	100				0	100
Roller	50	-3	CNP185	Road Roller	-	108	105	C8-30	51kW	101	98				0	98
Scraper	100	0	CNP204	Scraper	-	119	119				119				0	119
Tug boat	20	-7	CNP221	Tug boat	-	110	103				103				0	103
Winch	100	0	CNP261	Winch (pneumatic)	-	110	110				110				0	110
Water pump	100	0	CNP282	Water pump (petrol)	-	103	103				103	-10			-10	93
Crawler Crane	100	0		Crawler crane		102	102	C7-112	58kW, 34t	102	102				0	102
Deck Traveller	20	-7		Based on Agreement No. CE39/2001 Shenzhen Western Corridor - Investigation and Planning	-	114	107				107					107
Launching Girder	20	-7		Based on Agreement No. CE39/2001 Shenzhen Western Corridor - Investigation and Planning	-	114	107				107					107
Crane Truck	100	0	CNP144	Lorry, with crane/grab gross vehicle weight > 38 tonne	-	112	112				112					112
Hydraulic Vibratory Driver	100	0		Hydraulic 220 000 kg/pile, clay		94	94	C4-12			94					94
Horizontal Jack	100	0		0.48 dia Lorry mounted auger		112	112	C4-44			112					112

APPENDIX 6F

Separation Distance between NSRs and Notional Construction Noise Sources

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Construction Noise Calculation - Dec 2011 (Sample Cal)

Table 1 - Notional Distance from Construction Sites to NSRs, m

	Work Site																					
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22
101 - San Shek Wan		710	590	680		1300	1870	2320	2720													
102 - San Shek Wan		560	560	990		890	1400	1840	2240	2720												
103 - Sha Lo Wan Chung Hau	2500	390	1050	1790		260	410	890	1310	1830												
104 - Sha Lo Wan Chung Hau	2080	810	1540	2280	2960	200	90	400	820	1370		2940							2640			
105 - Tin Sum	480	2520			1230	1970	1420	1090	690	400	1690	1230	1710	1770	1840	2030	2580	2690	900		1790	
106 - Ma Wan Chung	1090				720		2900	2560	2080	720	1020	750	1090	1160	1260	1650	2220	2420	620		1460	
113 - Tung Chung Crescent	1310				750			2860	2340	770	780	710	860	920	1000	1400	1920	2140	770		1260	
126 - Seaview Crescent	1530				910				2540	920	560	600	620	640	670	1010	1440	1660	1050	2510	970	
136 - LeBleu	1930				1300				2930	1320	910	950	910	910	960	1210	1500	1720	1440	2350	1240	2970
147 - Caribbean Coast	2590				1970					1980	1550	1600	1540	1520	1550	1500	1580	1760	2110	2070	1790	2720
149 - Ho Yu College (Sik Sik Yuen)	2330				1710					1720	1290	1350	1280	1270	1300	1290	1430	1620	1850	2190	1560	2820

Table 2 - Distance Attenuation and Facade Correction, dB(A)

	Work Site																					
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22
101 - San Shek Wan		-62	-60	-62		-67	-70	-72	-74													
102 - San Shek Wan		-60	-60	-65		-64	-68	-70	-72	-74												
103 - Sha Lo Wan Chung Hau	-73	-57	-65	-70		-53	-57	-64	-67	-70												
104 - Sha Lo Wan Chung Hau	-71	-63	-69	-72	-74	-51	-44	-57	-63	-68		-74							-73			
105 - Tin Sum	-59	-73			-67	-71	-68	-66	-62	-57	-70	-67	-70	-70	-70	-71	-73	-74	-64		-70	
106 - Ma Wan Chung	-66				-62		-74	-73	-71	-62	-65	-63	-66	-66	-67	-69	-72	-73	-61		-68	
113 - Tung Chung Crescent	-67				-63			-74	-72	-63	-63	-62	-64	-64	-65	-68	-71	-72	-63		-67	
126 - Seaview Crescent	-69				-64				-73	-64	-60	-61	-61	-61	-62	-65	-68	-69	-65	-73	-65	
136 - LeBleu	-71				-67				-74	-67	-64	-65	-64	-64	-65	-67	-69	-70	-68	-72	-67	-74
147 - Caribbean Coast	-73				-71					-71	-69	-69	-69	-69	-69	-69	-69	-70	-71	-71	-70	-74
149 - Ho Yu College (Sik Sik Yuen)	-72				-70					-70	-67	-68	-67	-67	-67	-67	-68	-69	-70	-72	-69	-74

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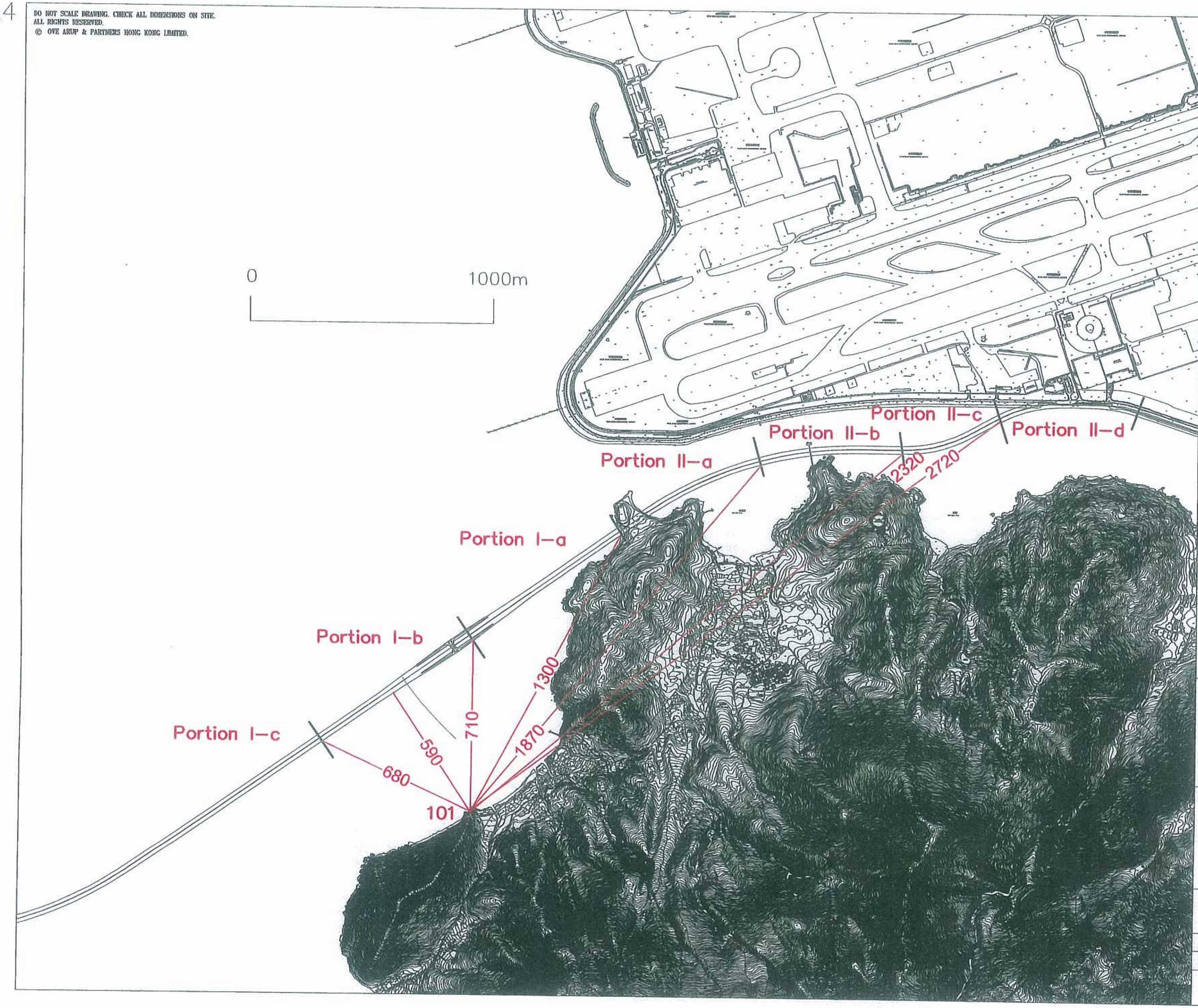

Mark	Date	By	Rev.

Drawing Status

Job Title

Kong-Zuhai-Macao Bridge
Hong Kong Boundary
Crossing Facilities
- Investigation

Drawing Title

Separation Distance Between
NSR 101 and Notional
Source Position

ARUP Ove Arup & Partners
Hong Kong Limited

Scale	NTS @A4				
Drn. EL	EL	Date 01/05/09	Chd. FC	FC	Passed ST	ST

Job No.	Drawing No.	Rev.
25308-50	EN/1006/A	0

CAD File : Disk/Tape No.
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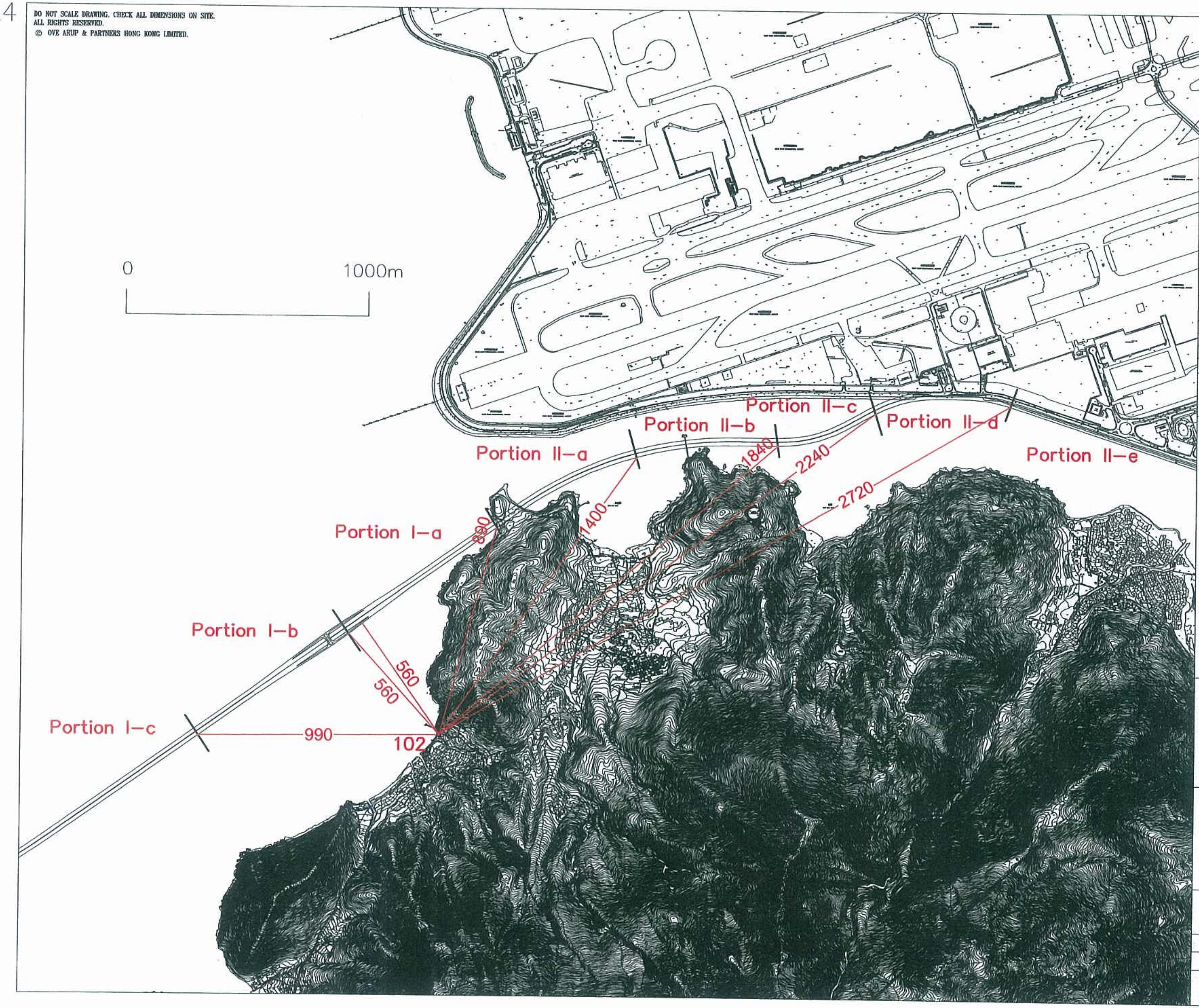

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Drawing Status

Job Title
Kong–Zuhai–Macao Bridge
Hong Kong Boundary
Crossing Facilities
– Investigation

Drawing Title
Separation Distance Between
NSR 102 and Notional
Source Position

ARUP Ove Arup & Partners
Hong Kong Limited

Scale NTS @A4

Drn.	Date	Chd.	Passed
EL	01/05/09	FC	ST

Job No.	Drawing No.	Rev.
25308–50	EN/1007/A	0

CAD File : Disk/Tape No.
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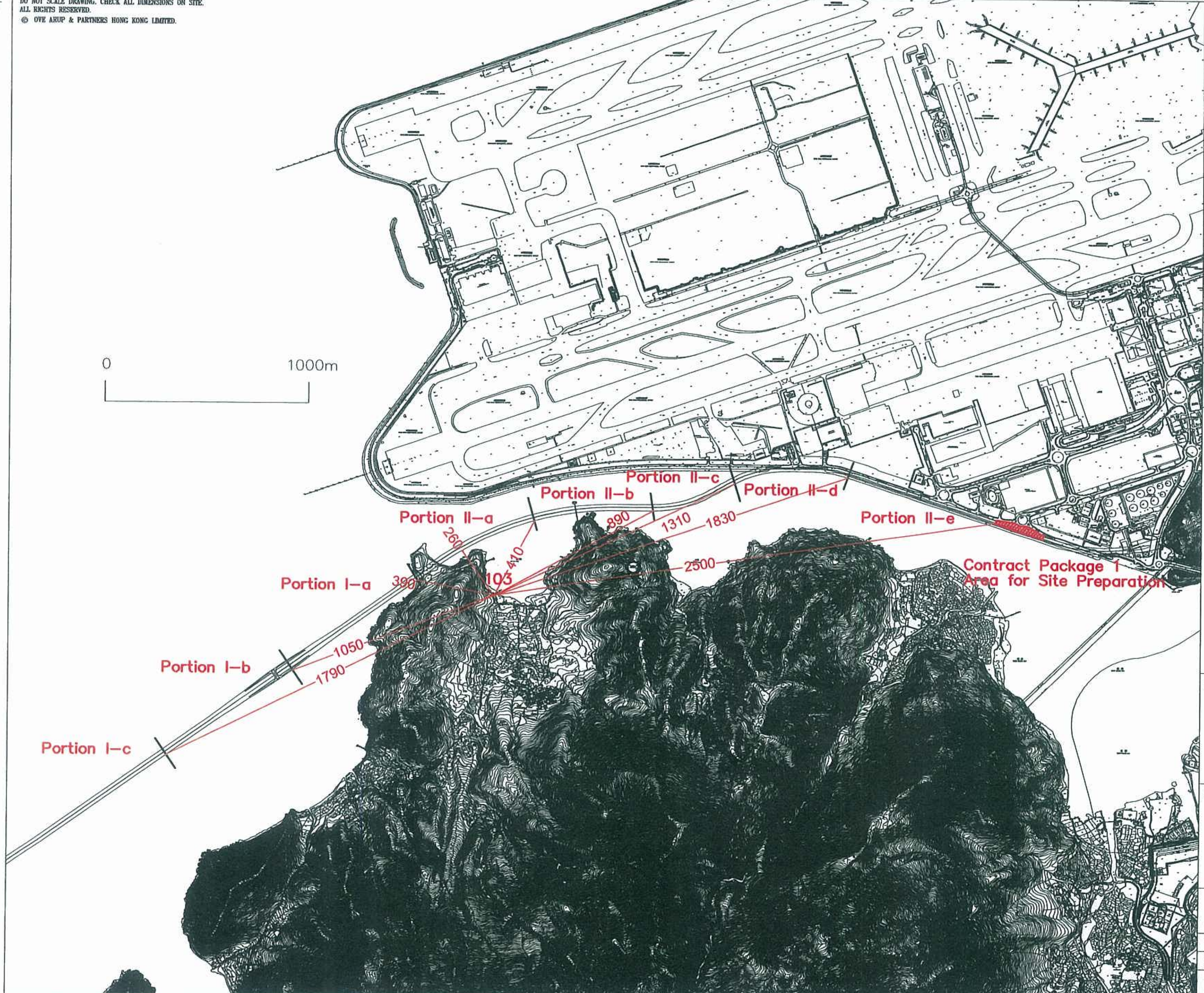

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Drawing Status

Job Title
Kong-Zuhai-Macao Bridge
Hong Kong Boundary
Crossing Facilities
– Investigation

Drawing Title
Separation Distance Between
NSR 103 and Notional
Source Position

ARUP Ove Arup & Partners Hong Kong Limited

Scale	NTS @A4						
Drn. EL	EL	Date	01/05/09	Chd. FC	FC	Passed ST	ST
Job No.	25308-50	Drawing No.	EN/1008/A			Rev.	0

CAD File : Disk/Tape No.
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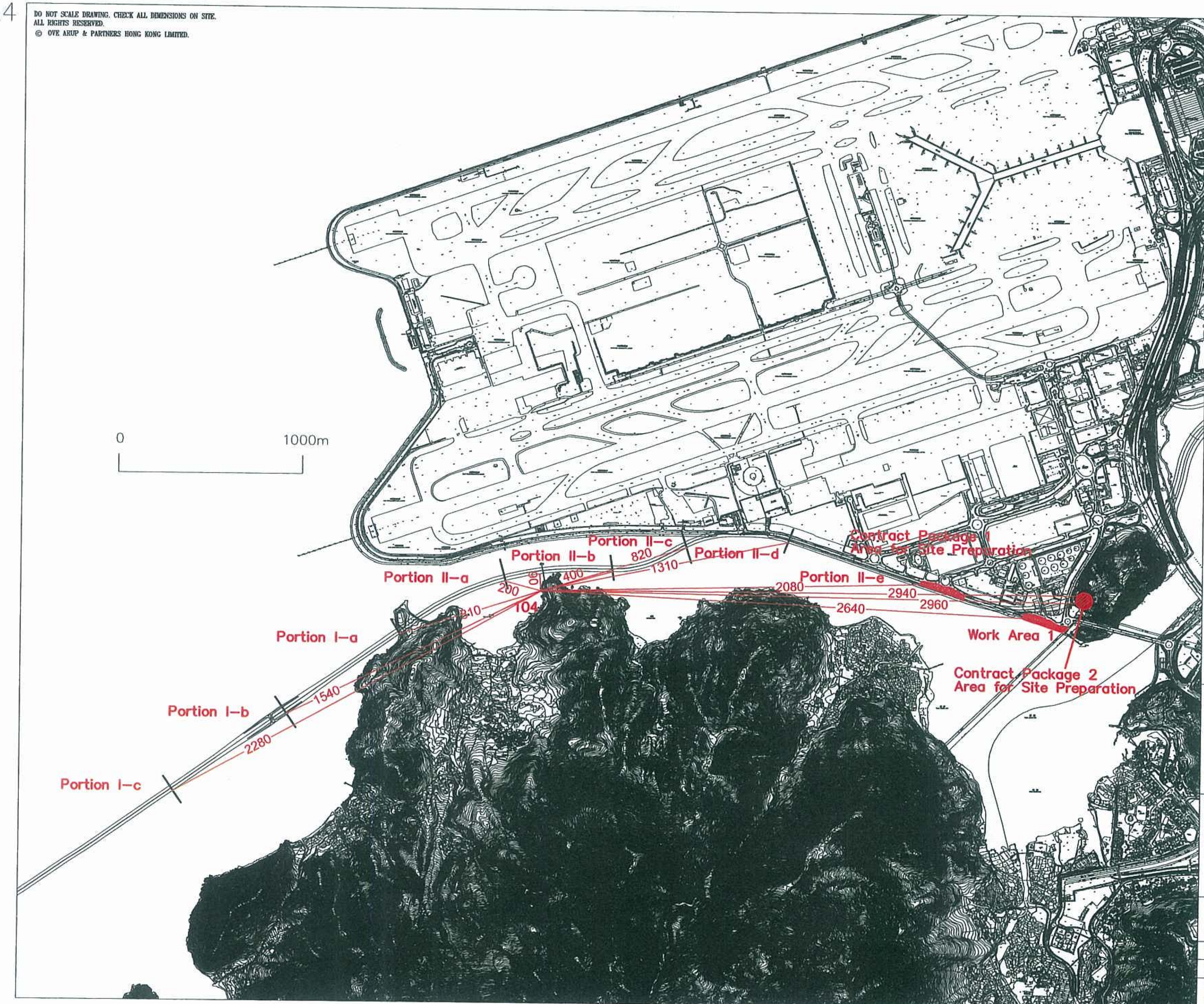

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Drawing Status

Job Title
Kong-Zuhai-Macao Bridge
Hong Kong Boundary
Crossing Facilities
- Investigation

Drawing Title
Separation Distance Between
NSR 104 and Notional
Source Position

ARUP Ove Arup & Partners
Hong Kong Limited

Scale NTS @A4

Drn.	Date	Chd.	Passed
EL	01/05/09	FC	ST

Job No.	Drawing No.	Rev.
25308-50	EN/1009/A	0

CAD File : Disk/Tape No.
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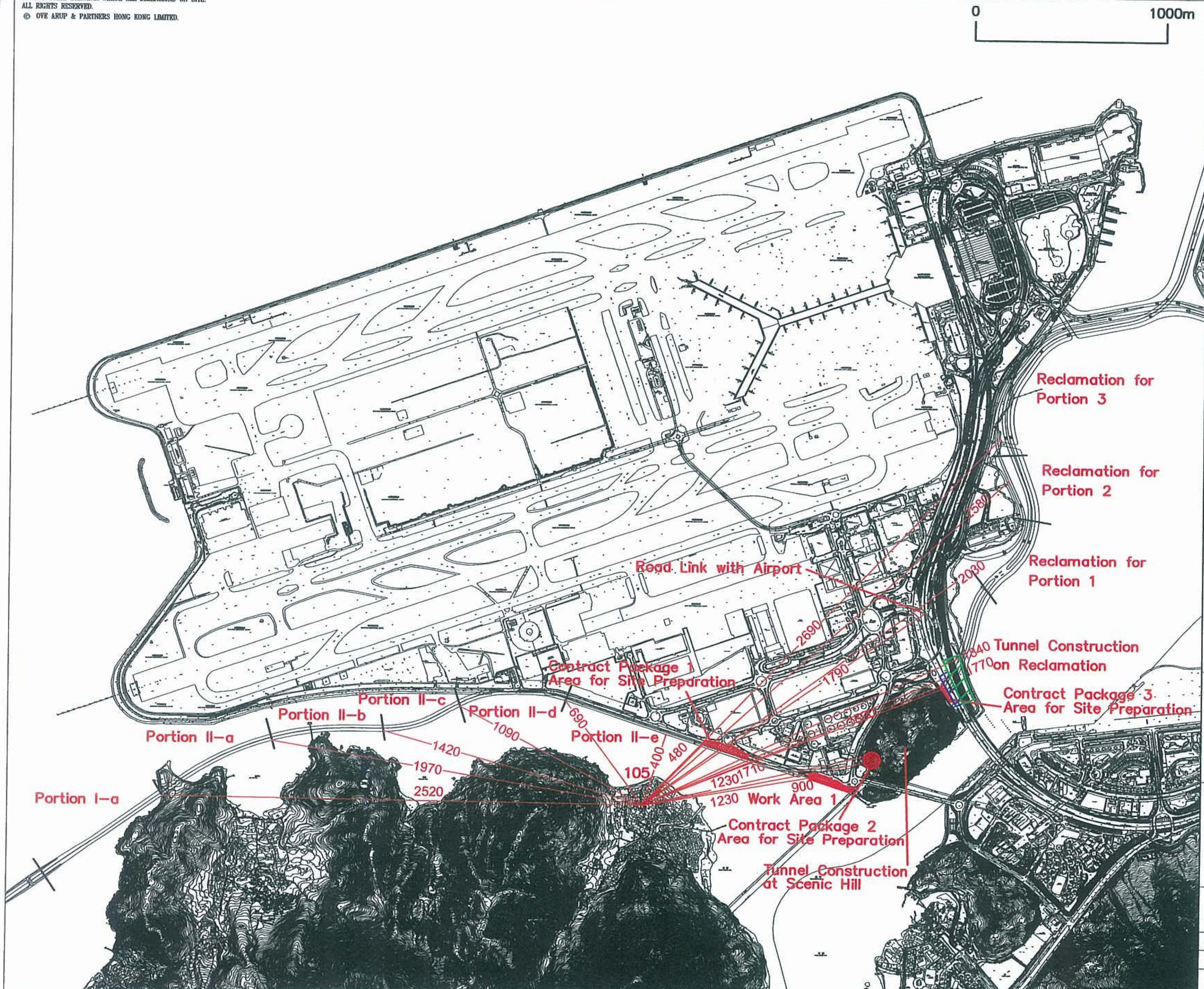

Legend

- Tunnel Construction at Airport Road
- Tunnel Construction under Airport Express line

Mark	Date	By	Rev.

Drawing Status

Job Title
Kong-Zuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Investigation

Drawing Title
Separation Distance Between NSR 105 and Notional Source Position

ARUP Ove Arup & Partners Hong Kong Limited

Scale	NTS @A4		
Drn. EL	Date 01/05/09	Chd. FC	Passed ST
Job No. 25308-50	Drawing No. EN/1010/A		Rev. 0

CAD File : G:\env\project\25308-50\env_data\const_n\20090504\Notional distance 105.dwg
Disk/Tape No.

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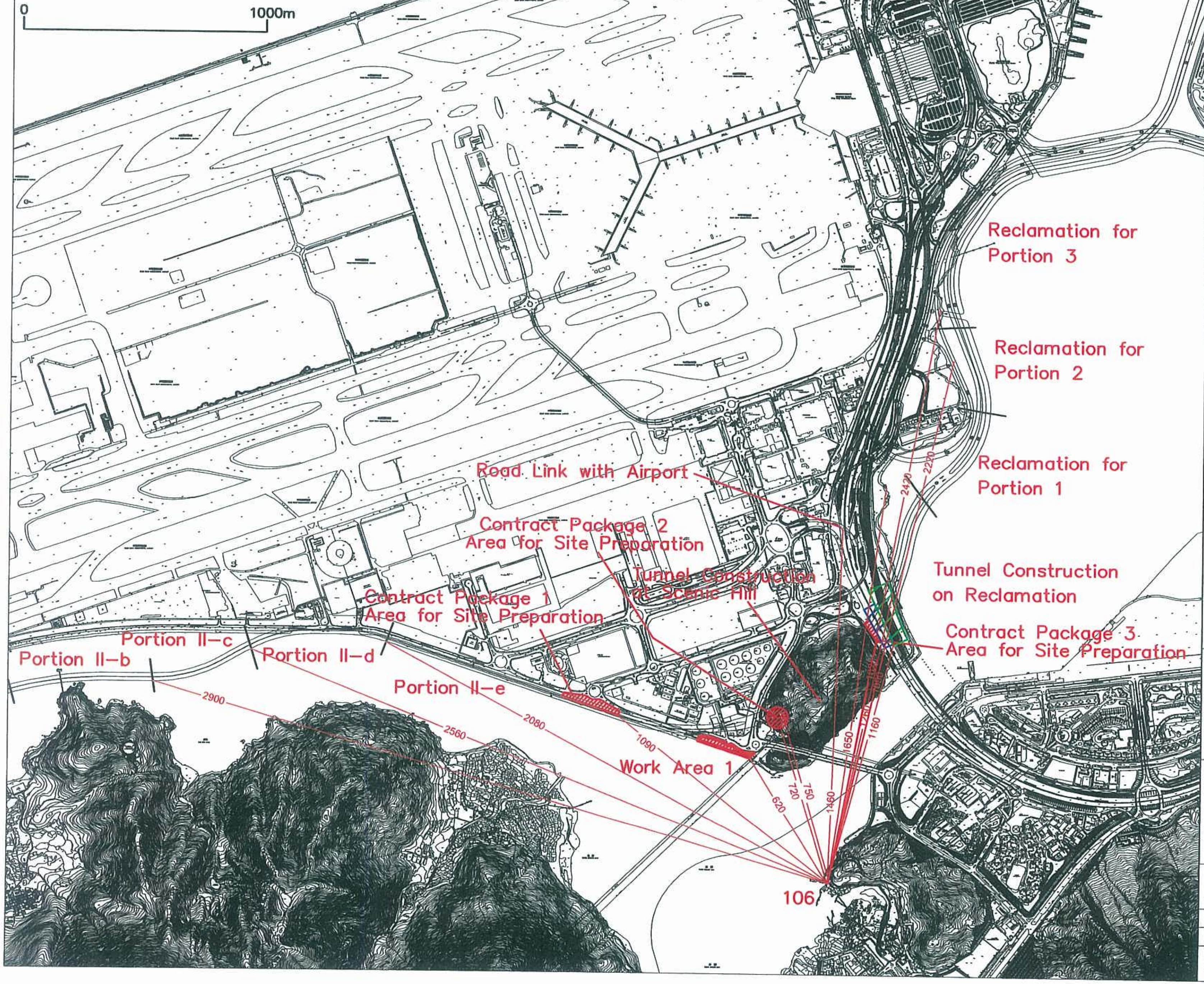

Legend

- Tunnel Construction at Airport Road
- Tunnel Construction under Airport Express line

Mark	Date	By	Rev.

Drawing Status

Job Title: Hong Kong–Zuhai–Macao Bridge Hong Kong Boundary Crossing Facilities – Investigation

Drawing Title: Separation Distance Between NSR 106 and Notional Source Position

ARUP Ove Arup & Partners Hong Kong Limited

Scale	NTS @A4		
Drn. EL	Date 01/05/09	Chd. FC	Passed ST
Job No. 25308-50	Drawing No. EN/1011/A	Rev. 0	

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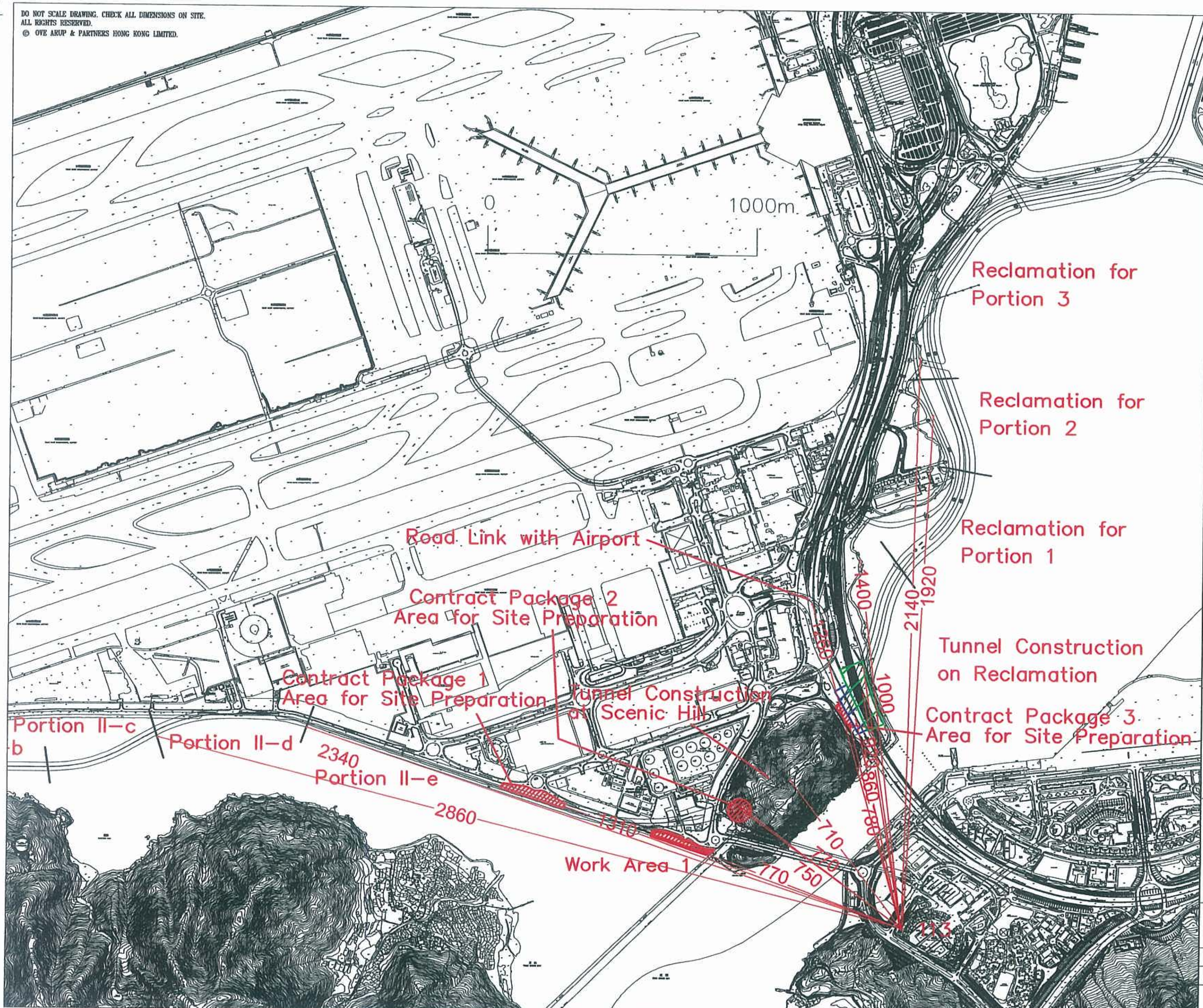

Legend

- Tunnel Construction at Airport Road
- Tunnel Construction under Airport Express line

Mark	Date	By	Rev.

Drawing Status

Job Title

Kong-Zuhai-Macao Bridge
Hong Kong Boundary
Crossing Facilities
– Investigation

Drawing Title

Separation Distance Between NSR 113 and Notional Source Position

ARUP Ove Arup & Partners Hong Kong Limited

Scale	NTS @A4						
Drn. EL	EL	Date	01/05/09	Chd. FC	FC	Passed ST	ST
Job No.	25308-50	Drawing No.	EN/1012/A			Rev.	0

CAD File : G:\env\project\25308-50\env_data\const_n\20090504\Notional distance 113.dwg
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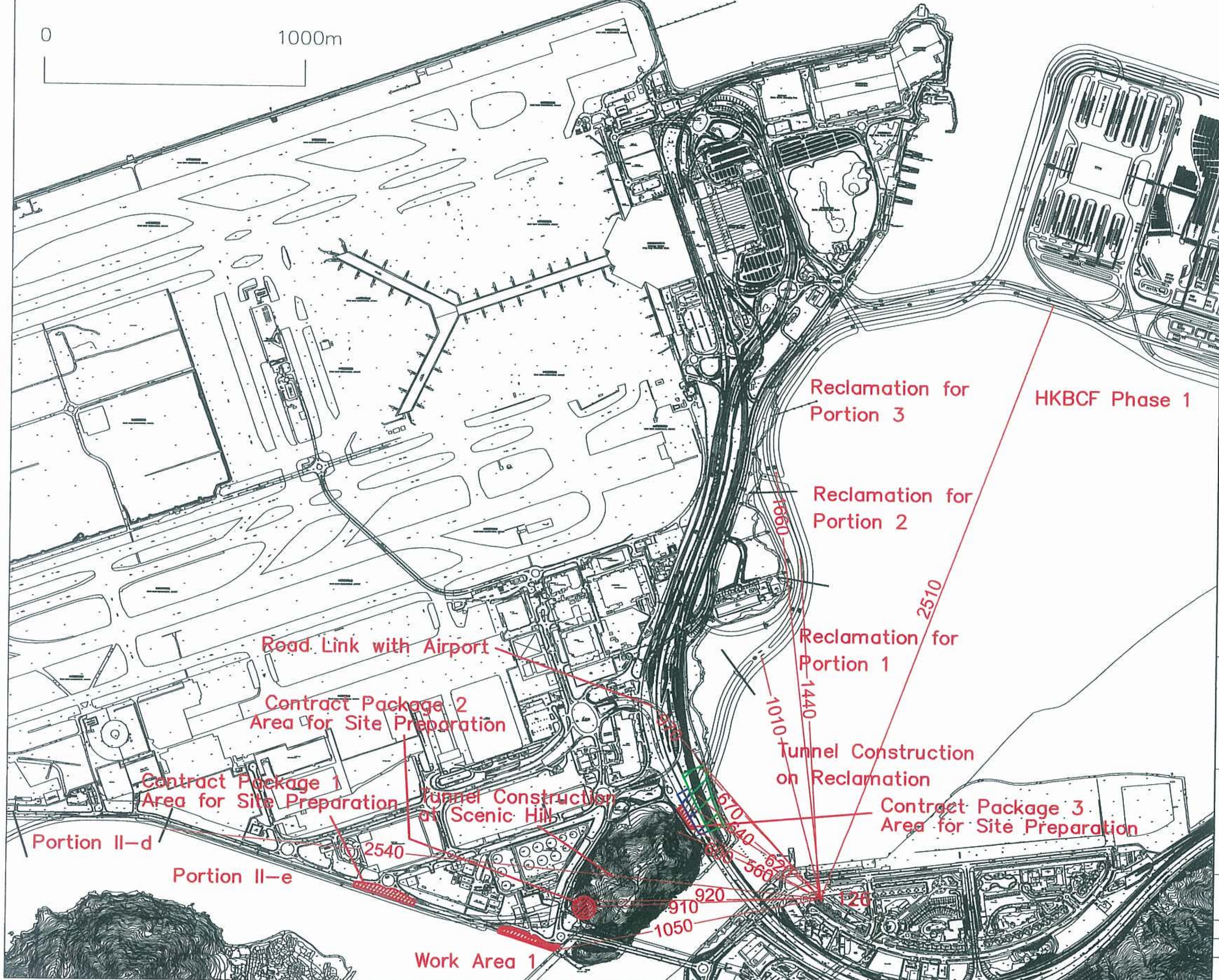

Legend

- Tunnel Construction at Airport Road
- Tunnel Construction under Airport Express line

Mark	Date	By	Rev.

Drawing Status

Job Title
Kong-Zuhai-Macao Bridge
Hong Kong Boundary Crossing Facilities
– Investigation

Drawing Title
Separation Distance Between NSR 126 and Notional Source Position

ARUP Ove Arup & Partners Hong Kong Limited

Scale	Drn.	Date	Chd.	Passed
NTS @A4	EL	01/05/09	FC	ST

Job No.	Drawing No.	Rev.
25308-50	EN/1013/A	0

CAD File : G:\env\project\25308-50\env_data\const_n\20090504\Notional distance 126.dwg
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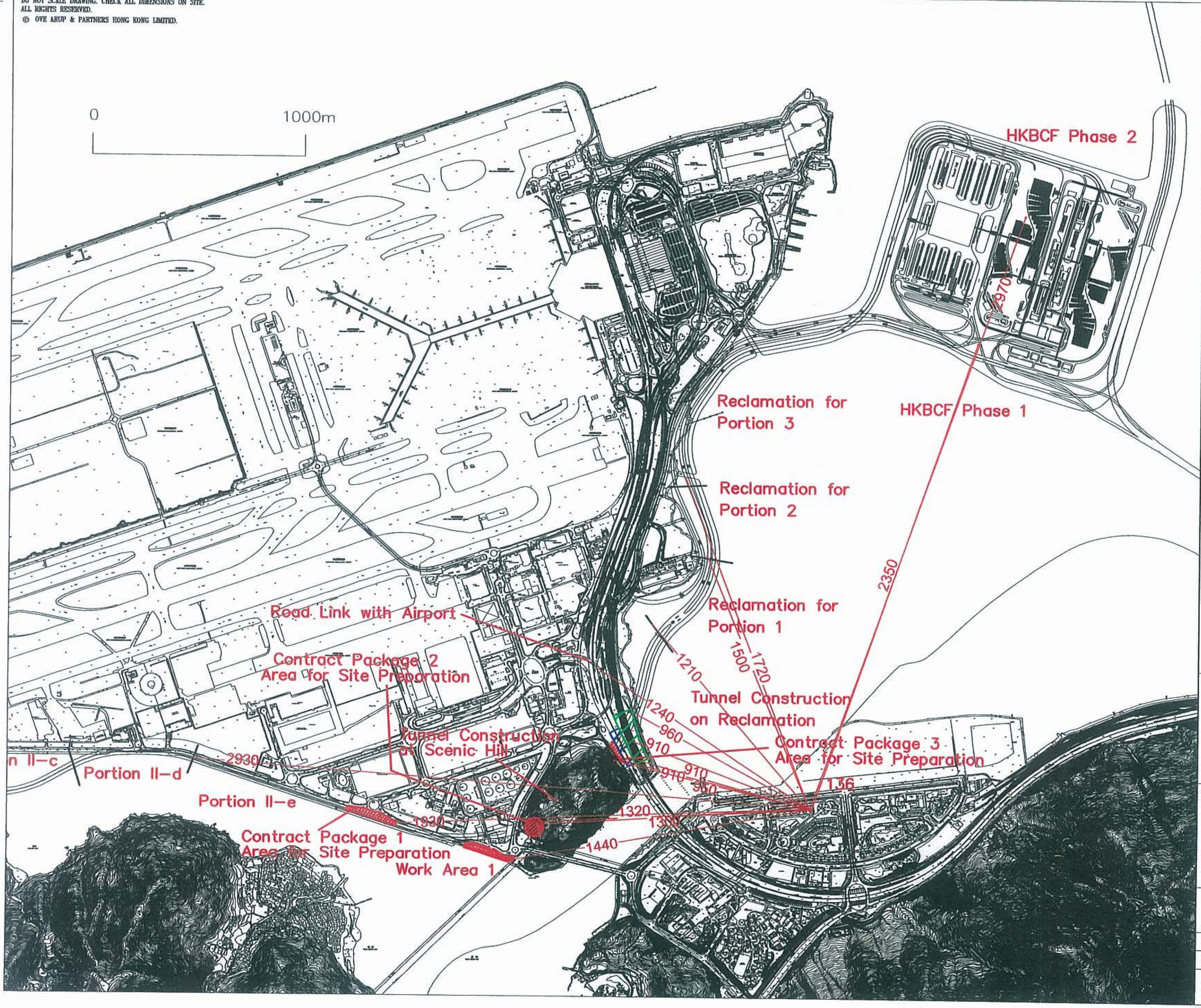

Legend

- Tunnel Construction at Airport Road
- Tunnel Construction under Airport Express line

Mark	Date	By	Rev.

Drawing Status

Job Title
Kong-Zuhai-Macao Bridge
Hong Kong Boundary Crossing Facilities
– Investigation

Drawing Title
Separation Distance Between NSR 136 and Notional Source Position

ARUP Ove Arup & Partners Hong Kong Limited

Scale	NTS @A4			
Drn. EL	Date 01/05/09	Chd. FC	Passed ST	
Job No. 25308-50	Drawing No. EN/1014/A		Rev. 0	

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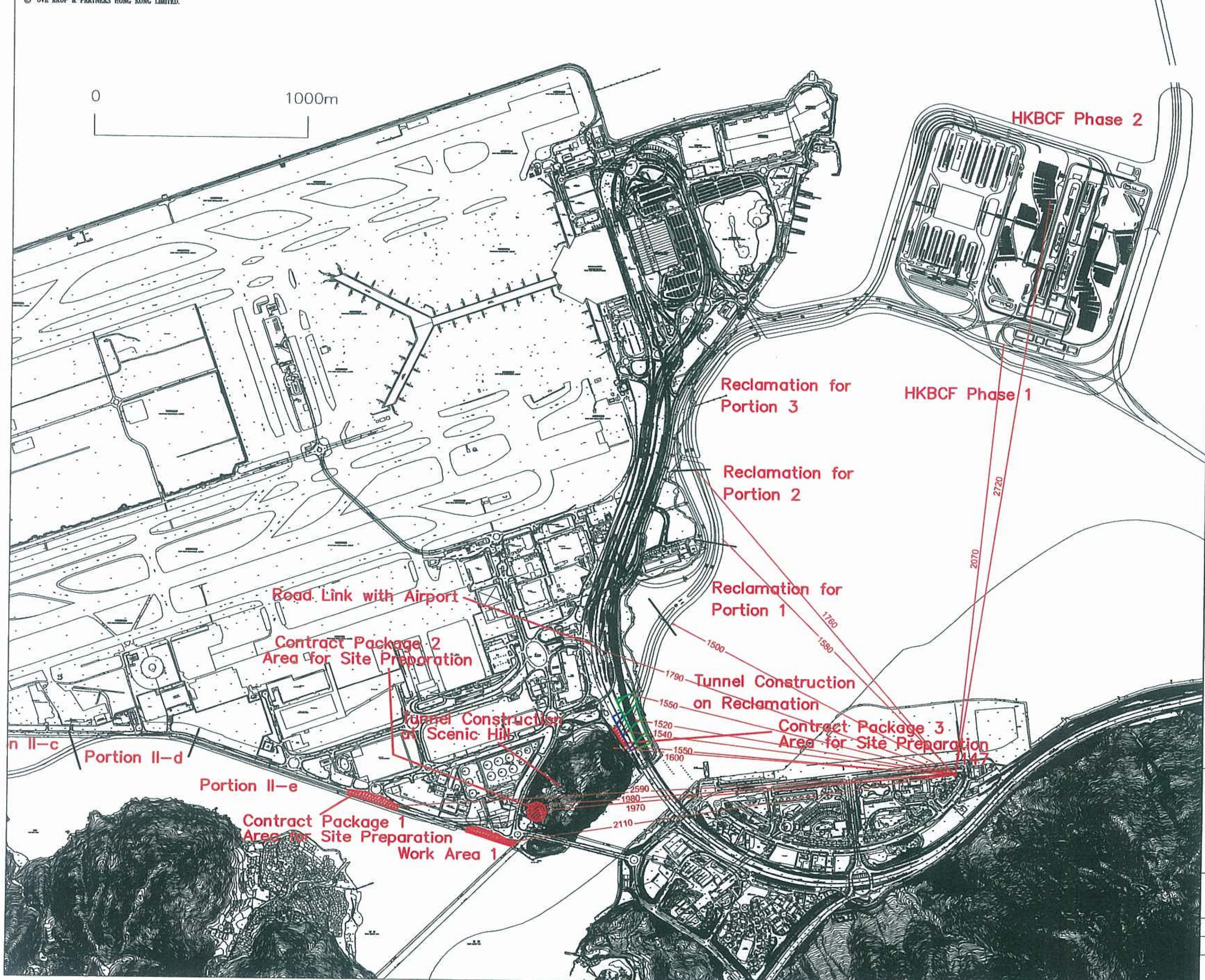

Legend

- Tunnel Construction at Airport Road
- Tunnel Construction under Airport Express line

Mark	Date	By	Rev.

Drawing Status

Job Title
Kong-Zuhai-Macao Bridge
Hong Kong Boundary
Crossing Facilities
– Investigation

Drawing Title
Separation Distance Between
NSR 147 and Notional
Source Position

ARUP Ove Arup & Partners Hong Kong Limited

Scale	NTS @A4		
Drn. EL	Date 01/05/09	Chd. FC	Passed ST
Job No. 25308-50	Drawing No. EN/1015/A		Rev. 0

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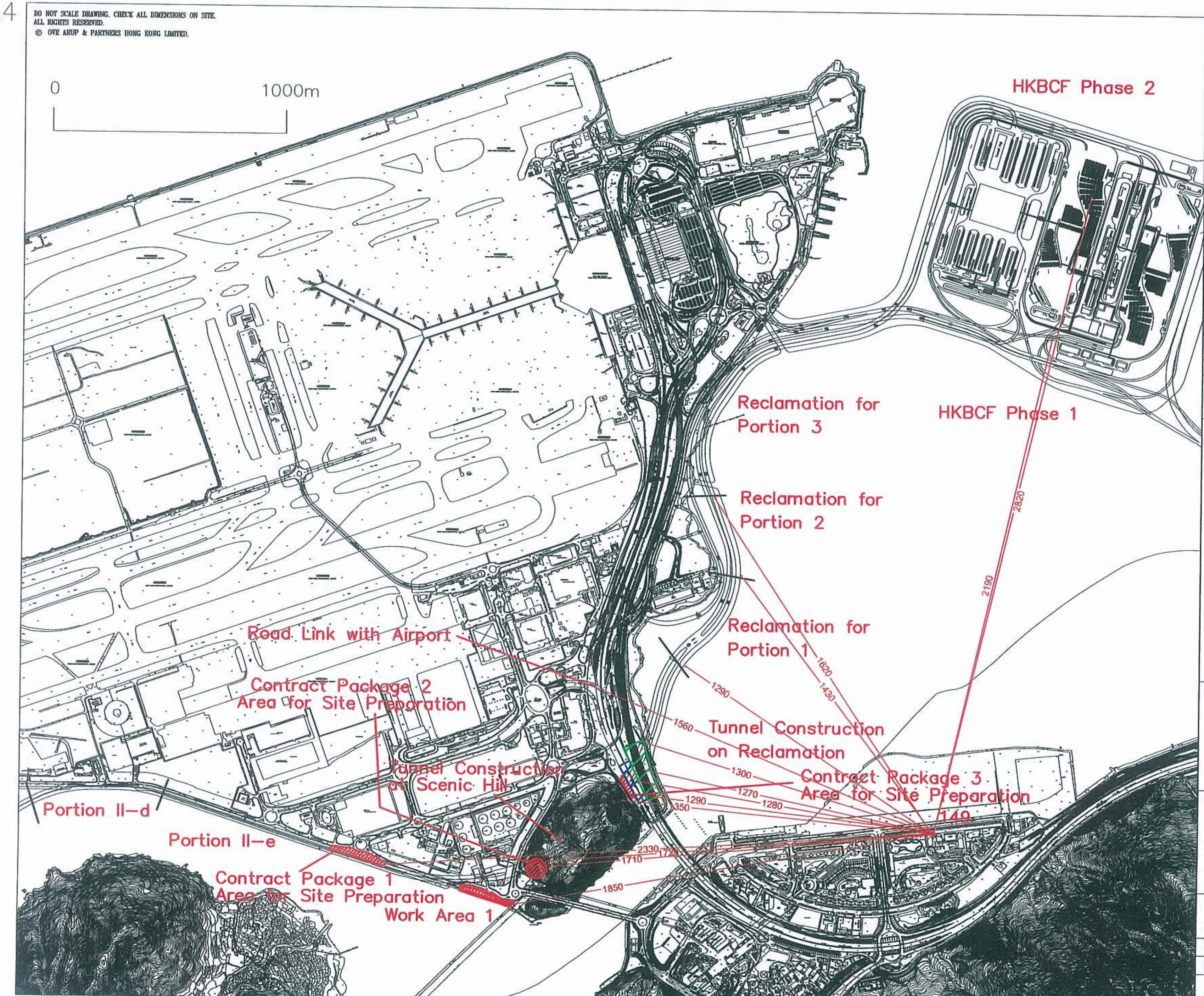

Legend

- Tunnel Construction at Airport Road
- Tunnel Construction under Airport Express line

Mark	Date	By	Rev.

Drawing Status

Job Title
Kong-Zuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Investigation

Drawing Title
Separation Distance Between NSR 149 and Notional Source Position

ARUP Ove Arup & Partners Hong Kong Limited

Scale	NTS @A4			
Drn. EL	Date 01/05/09	Chd. FC	Passed ST	
Job No. 25308-50	Drawing No. EN/1016/A		Rev. 0	

CAD File : G:\env\project\25308-50\env_data\const_n\20090504\Notional distance 149.dwg
Disk/Tape No.

APPENDIX 6G

Monthly Construction Noise Calculation – Unmitigated Scenario

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation

Title : Monthly Contribution (Unmitigated Scenario)

Table 1 - Noise Contribution from Sources at Aug 2010

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	48	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	49	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	50	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	49	0	0	0	0	0	0	0	0	0	0

Table 2 - Noise Contribution from Sources at Sept 2010

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	63	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	64	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	65	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	64	0	0	0	0	0	0	0	0	0	0

Table 3 - Noise Contribution from Sources at Oct 2010

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	63	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	63	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	64	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	64	0	0	0	0	0	0	0	0	0	0

Table 4 - Noise Contribution from Sources at Nov 2010

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	63	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	63	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	64	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	64	0	0	0	0	0	0	0	0	0	0

Table 5 - Noise Contribution from Sources at Dec 2010

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	63	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	63	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	64	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	64	0	0	0	0	0	0	0	0	0	0

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation

Title : Monthly Contribution (Unmitigated Scenario)

Table 6 - Noise Contribution from Sources at Jan 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	53	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	57	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	59	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	62	0	0	0	0	0	0	0	37	63	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	58	0	0	0	0	0	0	0	34	63	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	53	0	0	0	0	0	0	0	31	64	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	55	0	0	0	0	0	0	0	32	64	0	0	0	0	0	0	0	0	0	0

Table 7 - Noise Contribution from Sources at Feb 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	53	0	0	0	0	46	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	57	0	0	0	0	48	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	59	0	0	0	0	49	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	62	0	0	0	0	52	0	0	37	63	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	58	0	0	0	0	51	0	0	34	63	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	53	0	0	0	0	49	0	0	31	64	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	55	0	0	0	0	50	0	0	32	64	0	0	0	0	0	0	0	0	0	0

Table 8 - Noise Contribution from Sources at March 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	53	0	0	0	0	46	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	57	0	0	0	0	48	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	59	0	0	0	0	49	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	62	0	0	0	0	52	0	0	37	63	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	58	0	0	0	0	51	0	0	34	63	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	53	0	0	0	0	49	0	0	31	64	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	55	0	0	0	0	50	0	0	32	64	0	0	0	0	0	0	0	0	0	0

Table 9 - Noise Contribution from Sources at Apr 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	41	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	58	27	54	0	46	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	63	31	57	0	48	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	63	33	59	0	49	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	65	36	62	0	52	0	0	37	63	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	61	33	59	0	51	0	0	34	63	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	56	28	55	0	49	0	0	31	64	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	58	30	57	0	50	0	0	32	64	0	0	0	0	0	0	0	0	0	0

Table 10 - Noise Contribution from Sources at May 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	42	0	0	0	49	0	0	0	0	0	0	41	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	65	0	0	0	56	0	0	0	0	0	0	58	27	54	0	46	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	58	0	0	0	61	0	0	0	0	0	0	63	31	57	0	48	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	56	0	0	0	61	0	0	0	0	0	0	63	33	59	0	49	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	55	0	0	0	59	0	0	0	0	0	0	65	36	62	0	52	0	0	37	66	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	53	0	0	0	56	0	0	0	0	0	0	61	33	59	0	51	0	0	34	67	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	50	0	0	0	52	0	0	0	0	0	0	56	28	55	0	49	0	0	31	68	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	51	0	0	0	54	0	0	0	0	0	0	58	30	57	0	50	0	0	32	68	0	0	0	0	0	0	0	0	0	0

Table 11 - Noise Contribution from Sources at June 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	42	0	0	0	49	0	0	0	0	0	0	41	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	65	0	0	0	56	0	0	0	0	0	0	58	27	54	0	46	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	58	0	0	0	61	0	0	0	0	0	0	63	31	57	0	48	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	56	0	0	0	61	0	0	0	0	0	0	63	33	59	0	49	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	55	0	0	0	59	0	0	0	0	0	0	65	36	62	0	52	0	0	37	66	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	53	0	0	0	56	0	0	0	0	0	0	61	33	59	0	51	0	0	34	67	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	50	0	0	0	52	0	0	0	0	0	0	56	28	55	0	49	0	0	31	68	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	51	0	0	0	54	0	0	0	0	0	0	58	30	57	0	50	0	0	32	68	0	0	0	0	0	0	0	0	0	0

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Monthly Contribution (Unmitigated Scenario)

Table 12 - Noise Contribution from Sources at July 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	60	0	68	0	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	62	0	65	0	58	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	65	0	59	0	69	0	0	0	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	49	0	47	0	71	0	0	0	45	0	41	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	49	0	0	0	51	0	0	0	66	0	58	27	54	0	47	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	61	0	63	31	57	0	49	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	60	0	63	33	59	0	50	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	58	0	65	36	62	0	53	0	0	37	66	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	55	0	61	33	59	0	51	0	0	34	67	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	56	28	55	0	50	0	0	31	68	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	58	30	57	0	51	0	0	32	68	0	0	0	0	0	0	0	0	0	0

Table 13 - Noise Contribution from Sources at Aug 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	60	0	68	0	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	62	0	65	0	58	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	65	0	59	0	69	0	0	0	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	49	0	47	0	71	0	0	0	45	0	43	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	49	0	0	0	51	0	0	0	66	0	61	57	54	0	47	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	61	0	65	61	57	0	49	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	60	0	66	63	59	0	50	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	58	0	67	66	62	0	53	0	0	37	66	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	55	0	63	62	59	0	51	0	0	34	67	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	59	58	55	0	50	0	0	31	68	0	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	60	59	57	0	51	0	0	32	68	0	58	0	0	0	0	0	0	0	0

Table 14 - Noise Contribution from Sources at Sept 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	60	0	68	0	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	62	0	65	0	58	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	65	0	59	0	69	0	0	0	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	49	0	47	0	71	0	0	0	45	0	43	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	49	0	0	0	51	0	0	0	66	0	61	57	54	0	47	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	61	0	65	61	57	0	49	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	60	0	66	63	59	0	50	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	58	0	67	66	62	0	53	0	0	37	66	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	55	0	63	62	59	0	51	0	0	34	67	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	59	58	55	0	50	0	0	31	68	0	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	60	59	57	0	51	0	0	32	68	0	58	0	0	0	0	0	0	0	0

Table 15 - Noise Contribution from Sources at Oct 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	60	0	68	0	55	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	62	0	65	0	58	54	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	65	0	59	0	69	65	0	0	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	49	0	47	0	71	78	0	0	45	0	43	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	49	0	0	0	51	54	0	0	66	0	61	57	49	0	48	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	48	0	0	61	0	65	61	53	0	49	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	60	0	66	63	55	0	51	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	58	0	67	66	58	0	54	0	0	37	66	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	55	0	63	62	55	0	52	0	0	34	67	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	59	58	51	0	50	0	0	31	68	0	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	60	59	52	0	52	0	0	32	68	0	58	0	0	0	0	0	0	0	0

Table 16 - Noise Contribution from Sources at Nov 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	60	0	68	0	55	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	62	0	65	0	58	54	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	65	0	59	0	69	65	0	0	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	49	0	47	0	71	78	0	0	45	0	43	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	49	0	0	0	51	54	0	0	66	0	61	57	49	0	48	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	48	0	0	61	0	65	61	53	0	49	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	60	0	66	63	55	0	51	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	58	0	67	66	58	0	54	0	0	37	66	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	55	0	63	62	55	0	52	0	0	34	67	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	59	58	51	0	50	0	0	31	68	0	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	60	59	52	0	52	0	0	32	68	0	58	0	0	0	0	0	0	0	0

Table 17 - Noise Contribution from Sources at Dec 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	60	0	68	0	56	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	62	0	65	0	59	54	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	65	0	59	0	70	65	0	0	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	49	0	47	0	72	78	0	0	45	0	43	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	49	0	0	0	52	54	0	0	66	0	61	58	49	0	48	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	48	0	0	61	0	65	61	53	0	49	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	60	0	66	63	55	0	51	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	58	0	67	66	58	0	54	0	0	37	66	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	55	0	63	63	55	0	52	0	0	34	67	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	59	58	51	0	50	0	0	31	68	0	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	60	60	52	0	52	0	0	32	68	0	58	0	0	0	0	0	0	0	0

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Monthly Contribution (Unmitigated Scenario)

Table 18 - Noise Contribution from Sources at Jan 2012

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	60	0	68	0	56	51	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	62	0	65	0	59	54	52	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	65	0	60	0	70	65	58	0	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	49	0	47	0	72	78	55	0	45	0	43	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	49	0	0	0	52	54	56	0	66	0	61	58	49	0	48	0	0	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	48	49	0	61	0	65	61	53	0	49	0	0	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	48	0	60	0	66	63	55	0	51	0	0	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	58	0	67	66	58	0	54	0	0	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	55	0	63	63	55	0	52	0	0	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	59	58	51	0	50	0	0	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	60	60	52	0	52	0	0	32	68	61	58	0	0	0	0	0	0	0	0

Table 19 - Noise Contribution from Sources at Feb 2012

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	60	0	68	0	56	51	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	62	0	65	0	59	54	52	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	65	0	60	0	70	65	58	0	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	49	0	47	0	72	78	55	0	45	0	43	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	49	0	0	0	52	54	56	0	66	0	61	49	49	0	48	0	0	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	48	49	0	61	0	65	52	53	0	49	0	0	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	48	0	60	0	66	54	55	0	51	0	0	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	58	0	67	57	58	0	54	0	0	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	55	0	63	54	55	0	52	0	0	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	59	49	51	0	50	0	0	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	60	51	52	0	52	0	0	32	68	61	58	0	0	0	0	0	0	0	0

Table 20 - Noise Contribution from Sources at March 2012

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	60	0	68	0	56	53	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	62	0	65	0	59	55	52	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	65	0	60	0	70	66	58	0	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	49	0	47	0	72	79	55	0	45	0	43	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	49	0	0	0	52	55	56	0	66	0	61	49	49	0	48	44	44	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	49	49	0	61	0	65	52	53	0	49	45	45	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	48	0	60	0	66	54	55	0	51	47	46	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	58	0	67	57	58	0	54	49	48	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	55	0	63	54	55	0	52	49	48	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	59	49	51	0	50	48	47	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	60	51	52	0	52	49	48	32	68	61	58	0	0	0	0	0	0	0	0

Table 21 - Noise Contribution from Sources at Apr 2012

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	61	62	69	0	56	53	50	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	63	63	65	0	59	55	52	50	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	66	57	60	0	70	66	58	55	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	50	44	48	0	72	79	55	49	45	0	43	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	50	0	0	0	52	55	56	60	66	0	61	49	59	0	47	44	44	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	49	49	51	61	0	65	52	62	0	49	45	45	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	48	50	60	0	66	54	64	0	50	47	46	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	49	58	0	67	57	67	0	53	49	48	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	48	55	0	63	54	64	0	51	49	48	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	59	49	60	0	50	48	47	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	60	51	61	0	51	49	48	32	68	61	58	0	0	0	0	0	0	0	0

Table 22 - Noise Contribution from Sources at May 2012

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	61	62	69	0	56	53	50	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	63	63	65	0	59	55	52	50	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	66	57	60	0	70	66	58	55	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	50	44	48	0	72	79	55	49	45	0	43	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	50	0	0	0	52	55	56	60	66	0	61	49	59	0	46	44	44	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	49	49	51	61	0	65	52	62	0	48	45	45	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	48	50	60	0	66	54	64	0	49	47	46	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	49	58	0	67	57	67	0	52	49	48	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	48	55	0	63	54	64	0	51	49	48	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	59	49	60	0	49	48	47	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	60	51	61	0	50	49	48	32	68	61	58	0	0	0	0	0	0	0	0

Table 23 - Noise Contribution from Sources at June 2012

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	61	62	69	0	56	53	51	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	63	63	65	0	59	55	53	50	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	66	57	60	0	70	66	59	55	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	50	44	48	0	72	79	56	49	45	0	43	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	50	0	0	0	52	55	57	60	66	0	61	49	59	0	46	44	44	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	49	50	51	61	0	65	52	62	0	48	45	45	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	49	50	60	0	66	54	64	0	49	47	46	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	49	58	0	67	57	67	0	52	49	48	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	48	55	0	63	54	64	0	51	49	48	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	59	49	60	0	49	48	47	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	60	51	61	0	50	49	48	32	68	61	58	0	0	0	0	0	0	0	0

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Monthly Contribution (Unmitigated Scenario)

Table 24 - Noise Contribution from Sources at July 2012

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	61	62	69	0	56	53	51	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	63	63	65	0	59	55	53	50	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	66	57	60	0	70	66	59	55	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	50	44	48	0	72	79	56	49	45	0	43	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	50	0	0	0	52	55	57	60	66	0	61	49	59	0	0	44	44	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	49	50	51	61	0	65	52	62	0	0	45	45	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	49	50	60	0	66	54	64	0	0	47	46	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	49	58	0	67	57	67	0	0	49	48	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	48	55	0	63	54	64	0	0	49	48	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	59	49	60	0	0	48	47	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	60	51	61	0	0	49	48	32	68	61	58	0	0	0	0	0	0	0	0

Table 25 - Noise Contribution from Sources at Aug 2012

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	65	69	0	56	53	51	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	66	65	0	59	55	53	50	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	60	60	0	70	66	59	55	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	47	48	0	72	79	56	49	45	0	43	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	52	55	57	60	66	0	61	49	59	0	0	45	45	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	49	50	51	61	0	65	52	62	0	0	46	45	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	49	50	60	0	66	54	64	0	0	47	47	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	49	58	0	67	57	67	0	0	50	49	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	48	55	0	63	54	64	0	0	50	48	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	59	49	60	0	0	49	48	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	60	51	61	0	0	50	49	32	68	61	58	0	0	0	0	0	0	0	0

Table 26 - Noise Contribution from Sources at Sept 2012

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	65	70	0	56	53	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	66	67	0	59	55	53	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	60	62	0	70	66	59	56	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	52	47	49	0	72	79	56	50	45	0	43	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	52	55	57	61	66	0	61	49	59	0	0	45	45	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	49	50	52	61	0	65	52	62	0	0	46	45	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	49	51	60	0	66	54	64	0	0	47	47	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	50	58	0	67	57	67	0	0	50	49	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	49	55	0	63	54	64	0	0	50	48	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	59	49	60	0	0	49	48	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	60	51	61	0	0	50	49	32	68	61	58	0	0	0	0	0	0	0	0

Table 27 - Noise Contribution from Sources at Oct 2012

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	65	70	0	56	53	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	66	67	0	59	55	53	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	60	62	0	70	66	59	56	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	52	47	49	0	72	79	56	50	45	0	43	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	52	55	57	61	66	0	61	49	58	0	0	37	37	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	49	50	52	61	0	65	52	62	0	0	39	38	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	49	51	60	0	66	54	64	0	0	40	39	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	50	58	0	67	57	67	0	0	42	41	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	49	55	0	63	54	64	0	0	42	41	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	59	49	60	0	0	42	41	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	60	51	61	0	0	42	41	32	68	61	58	0	0	0	0	0	0	0	0

Table 28 - Noise Contribution from Sources at Nov 2012

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	65	70	0	56	53	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	66	67	0	59	55	53	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	60	62	0	70	66	59	56	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	52	47	49	0	72	79	56	50	45	0	43	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	52	55	57	61	66	0	61	49	58	56	0	40	40	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	49	50	52	61	0	65	52	62	60	0	42	41	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	49	51	60	0	66	54	64	62	0	43	42	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	50	58	0	67	57	67	65	0	45	44	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	49	55	0	63	54	64	62	0	45	44	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	59	49	60	58	0	45	44	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	60	51	61	59	0	45	44	32	68	61	58	0	0	0	0	0	0	0	0

Table 29 - Noise Contribution from Sources at Dec 2012

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	62	70	0	56	53	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	63	67	0	59	55	53	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	57	62	0	70	66	59	56	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	52	44	49	0	72	79	56	50	45	0	43	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	52	55	57	61	66	0	61	49	58	56	0	40	40	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	49	50	52	61	0	65	52	62	60	0	42	41	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	49	51	60	0	66	54	64	62	0	43	42	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	50	58	0	67	57	67	65	0	45	44	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	49	55	0	63	54	64	62	0	45	44	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	59	49	60	58	0	45	44	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	60	51	61	59	0	45	44	32	68	61	58	0	0	0	0	0	0	0	0

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation

Title : Monthly Contribution (Unmitigated Scenario)

Table 30 - Noise Contribution from Sources at Jan 2013

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	0	70	0	56	53	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	0	67	0	59	55	53	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	0	62	0	70	66	59	56	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	52	0	49	0	72	79	56	50	45	0	45	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	52	55	57	61	66	0	62	49	58	57	0	40	40	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	49	50	52	61	0	67	52	62	60	0	42	41	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	49	51	60	0	67	54	64	62	0	43	42	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	50	58	0	69	57	67	66	0	45	44	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	49	55	0	65	54	64	63	0	45	44	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	60	49	60	58	0	45	44	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	62	51	61	60	0	45	44	32	68	61	58	0	0	0	0	0	0	0	0

Table 31 - Noise Contribution from Sources at Feb 2013

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	0	70	0	56	53	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	0	67	0	59	55	53	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	0	62	0	70	66	59	56	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	52	0	49	0	72	79	56	50	45	0	45	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	52	55	57	61	66	0	62	49	58	57	0	40	40	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	49	50	52	61	0	67	52	62	60	0	42	41	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	49	51	60	0	67	54	64	62	0	43	42	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	50	58	0	69	57	67	66	0	45	44	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	49	55	0	65	54	64	63	0	45	44	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	60	49	60	58	0	45	44	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	62	51	61	60	0	45	44	32	68	61	58	0	0	0	0	0	0	0	0

Table 32 - Noise Contribution from Sources at March 2013

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	0	70	0	0	53	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	0	67	0	0	55	53	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	0	62	0	0	66	59	56	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	52	0	49	0	0	79	56	50	45	0	45	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	0	55	57	61	66	0	62	0	58	57	0	40	45	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	49	50	52	61	0	67	0	62	60	0	42	46	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	49	51	60	0	67	0	64	62	0	43	47	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	50	58	0	69	0	67	66	0	45	49	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	49	55	0	65	0	64	63	0	45	49	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	60	0	60	58	0	45	49	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	62	0	61	60	0	45	50	32	68	61	58	0	0	0	0	0	0	0	0

Table 33 - Noise Contribution from Sources at Apr 2013

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	0	70	0	0	53	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	0	67	0	0	55	53	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	0	62	0	0	66	59	56	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	52	0	49	0	0	79	56	50	45	0	45	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	0	55	57	61	66	0	62	0	48	57	0	40	45	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	49	50	52	61	0	67	0	52	60	0	42	46	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	49	51	60	0	67	0	54	62	0	43	47	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	50	58	0	69	0	57	66	0	45	49	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	49	55	0	65	0	54	63	0	45	49	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	60	0	50	58	0	45	49	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	62	0	51	60	0	45	50	32	68	61	58	0	0	0	0	0	0	0	0

Table 34 - Noise Contribution from Sources at May 2013

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	0	70	0	0	53	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	0	67	0	0	55	53	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	0	62	0	0	66	59	56	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	52	0	49	0	0	79	56	50	45	0	45	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	0	55	57	61	66	0	62	0	48	57	0	37	44	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	49	50	52	61	0	67	0	52	60	0	39	45	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	49	51	60	0	67	0	54	62	0	40	46	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	50	58	0	69	0	57	66	0	42	49	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	49	55	0	65	0	54	63	0	42	48	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	60	0	50	58	0	42	48	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	62	0	51	60	0	42	49	32	68	61	58	0	0	0	0	0	0	0	0

Table 35 - Noise Contribution from Sources at June 2013

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	0	70	0	0	0	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	0	67	0	0	0	53	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	0	62	0	0	0	59	56	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	52	0	49	0	0	0	56	50	45	0	45	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	0	0	57	61	66	0	62	0	48	57	0	0	44	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	50	52	61	0	67	0	52	60	0	0	45	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	49	51	60	0	67	0	54	62	0	0	46	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	50	58	0	69	0	57	66	0	0	48	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	49	55	0	65	0	54	63	0	0	48	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	60	0	50	58	0	0	47	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	62	0	51	60	0	0	48	32	68	61	58	0	0	0	0	0	0	0	0

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation

Title : Monthly Contribution (Unmitigated Scenario)

Table 36 - Noise Contribution from Sources at July 2013

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	0	66	0	0	0	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	0	63	0	0	0	53	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	0	57	0	0	0	59	56	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	52	0	45	0	0	0	56	50	45	0	45	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	0	0	57	61	66	0	62	0	48	57	0	0	44	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	50	52	61	0	67	0	52	60	0	0	45	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	49	51	60	0	67	0	54	62	0	0	46	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	50	58	0	69	0	57	66	0	0	48	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	49	55	0	65	0	54	63	0	0	48	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	60	0	50	58	0	0	47	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	62	0	51	60	0	0	48	32	68	61	58	0	0	0	0	0	0	0	0

Table 37 - Noise Contribution from Sources at Aug 2013

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	0	66	0	0	0	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	0	63	0	0	0	53	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	0	57	0	0	0	59	56	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	52	0	45	0	0	0	56	50	45	0	45	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	0	0	57	61	66	0	62	49	48	51	0	0	44	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	50	52	61	0	67	53	52	54	0	0	45	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	49	51	60	0	67	55	54	56	0	0	46	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	50	58	0	69	58	57	60	0	0	48	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	49	55	0	65	54	54	56	0	0	48	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	60	50	50	52	0	0	47	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	62	51	51	54	0	0	48	32	68	61	58	0	0	0	0	0	0	0	0

Table 38 - Noise Contribution from Sources at Sept 2013

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	0	66	0	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	0	63	0	0	0	0	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	0	57	0	0	0	0	56	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	52	0	45	0	0	0	0	50	45	0	45	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	0	0	0	61	66	0	62	49	48	51	0	0	44	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	52	61	0	67	53	52	54	0	0	45	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	51	60	0	67	55	54	56	0	0	46	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	50	58	0	69	58	57	60	0	0	48	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	49	55	0	65	54	54	56	0	0	48	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	60	50	50	52	0	0	47	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	62	51	51	54	0	0	48	32	68	61	58	0	0	0	0	0	0	0	0

Table 39 - Noise Contribution from Sources at Oct 2013

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	0	66	0	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	0	63	0	0	0	0	51	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	0	58	0	0	0	0	56	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	53	0	46	0	0	0	0	50	46	0	45	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	0	0	0	61	67	0	62	49	48	51	45	0	44	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	52	61	0	67	53	52	54	46	0	45	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	51	61	0	67	55	54	56	48	0	46	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	50	59	0	69	58	57	60	51	0	48	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	49	56	0	65	54	54	56	49	0	48	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	53	0	60	50	50	52	47	0	47	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	54	0	62	51	51	54	49	0	48	32	68	61	58	0	0	0	0	0	0	0	0

Table 40 - Noise Contribution from Sources at Nov 2013

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	0	66	0	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	0	63	0	0	0	0	51	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	0	58	0	0	0	0	56	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	53	0	46	0	0	0	0	50	46	0	45	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	0	0	0	61	67	0	62	0	48	51	45	0	0	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	52	61	0	67	0	52	54	46	0	0	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	51	61	0	67	0	54	56	48	0	0	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	50	59	0	69	0	57	60	51	0	0	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	49	56	0	65	0	54	56	49	0	0	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	53	0	60	0	50	52	47	0	0	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	54	0	62	0	51	54	49	0	0	32	68	61	58	0	0	0	0	0	0	0	0

Table 41 - Noise Contribution from Sources at Dec 2013

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	0	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	0	63	0	0	0	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	0	58	0	0	0	0	0	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	53	0	46	0	0	0	0	0	46	0	45	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	0	0	0	0	67	0	62	0	48	51	45	0	0	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	61	0	67	0	52	54	46	0	0	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	61	0	67	0	54	56	48	0	0	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	59	0	69	0	57	60	51	0	0	37	66	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	56	0	65	0	54	56	49	0	0	34	67	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	53	0	60	0	50	52	47	0	0	31	68	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	54	0	62	0	51	54	49	0	0	32	68	61	58	0	0	0	0	0	0	0	0

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation

Title : Monthly Contribution (Unmitigated Scenario)

Table 42 - Noise Contribution from Sources at Jan 2014

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	0	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	0	63	0	0	0	0	0	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	0	58	0	0	0	0	0	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	53	0	46	0	0	0	0	0	39	0	39	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	0	0	0	0	59	0	57	0	0	51	45	48	0	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	54	0	61	0	0	54	46	49	0	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	54	0	62	0	0	56	48	50	0	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	52	0	63	0	0	60	51	53	0	37	65	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	49	0	59	0	0	56	49	52	0	34	65	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	45	0	55	0	0	52	47	52	0	31	67	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	47	0	56	0	0	54	49	53	0	32	66	61	58	0	0	0	0	0	0	0	0

Table 43 - Noise Contribution from Sources at Feb 2014

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	0	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	0	63	0	0	0	0	0	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	0	58	0	0	0	0	0	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	53	0	46	0	0	0	0	0	39	0	39	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	0	0	0	0	59	0	57	0	0	51	45	48	0	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	54	0	61	0	0	54	46	49	0	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	54	0	62	0	0	56	48	50	0	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	52	0	63	0	0	60	51	53	0	37	65	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	49	0	59	0	0	56	49	52	0	34	65	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	45	0	55	0	0	52	47	52	0	31	67	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	47	0	56	0	0	54	49	53	0	32	66	61	58	0	0	0	0	0	0	0	0

Table 44 - Noise Contribution from Sources at March 2014

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	0	61	0	0	0	0	0	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	0	56	0	0	0	0	0	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	53	0	44	0	0	0	0	0	39	0	39	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	0	0	0	0	59	0	57	0	0	51	45	48	0	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	54	0	61	0	0	54	46	49	0	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	54	0	62	0	0	56	48	50	0	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	52	0	63	0	0	60	51	53	0	37	65	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	49	0	59	0	0	56	49	52	0	34	65	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	45	0	55	0	0	52	47	52	0	31	67	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	47	0	56	0	0	54	49	53	0	32	66	61	58	0	0	0	0	0	0	0	0

Table 45 - Noise Contribution from Sources at Apr 2014

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	0	61	0	0	0	0	0	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	0	56	0	0	0	0	0	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	53	0	44	0	0	0	0	0	39	0	39	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	0	0	0	0	59	0	57	0	0	51	45	48	0	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	54	0	61	0	0	54	46	49	0	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	54	0	62	0	0	56	48	50	0	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	52	0	63	0	0	60	51	53	0	37	65	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	49	0	59	0	0	56	49	52	0	34	65	63	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	45	0	55	0	0	52	47	52	0	31	67	59	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	47	0	56	0	0	54	49	53	0	32	66	61	58	0	0	0	0	0	0	0	0

Table 46 - Noise Contribution from Sources at May 2014

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	0	61	0	0	0	0	0	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	0	56	0	0	0	0	0	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	53	0	44	0	0	0	0	0	39	0	39	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	0	0	0	0	59	0	57	0	0	51	45	48	0	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	54	0	61	0	0	54	46	49	0	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	54	0	62	0	0	56	48	50	0	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	52	0	63	0	0	60	51	53	0	37	65	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	49	0	59	0	0	56	49	52	0	34	65	63	61	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	45	0	55	0	0	52	47	52	0	31	67	59	62	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	47	0	56	0	0	54	49	53	0	32	66	61	61	0	0	0	0	0	0	0	0

Table 47 - Noise Contribution from Sources at June 2014

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	0	61	0	0	0	0	0	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	0	56	0	0	0	0	0	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	53	0	44	0	0	0	0	0	39	0	39	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	0	0	0	0	59	0	57	0	0	51	45	48	0	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	54	0	61	0	0	54	46	49	0	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	54	0	62	0	0	56	48	50	0	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	52	0	63	0	0	60	51	53	0	37	65	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	49	0	59	0	0	56	49	52	0	34	65	63	61	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	45	0	55	0	0	52	47	52	0	31	67	59	62	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	47	0	56	0	0	54	49	53	0	32	66	61	61	0	0	0	0	0	0	0	0

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Monthly Contribution (Unmitigated Scenario)

Table 48 - Noise Contribution from Sources at July 2014

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	64	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	66	0	61	0	0	0	0	0	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	69	0	56	0	0	0	0	0	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	53	0	44	0	0	0	0	0	39	0	39	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	53	0	0	0	0	0	0	0	59	0	57	0	0	51	45	48	0	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	54	0	61	0	0	54	46	49	0	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	54	0	62	0	0	56	48	50	0	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	52	0	63	0	0	60	51	53	0	37	65	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	49	0	59	0	0	56	49	52	0	34	65	63	61	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	45	0	55	0	0	52	47	52	0	31	67	59	62	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	47	0	56	0	0	54	49	53	0	32	66	61	61	0	0	0	0	0	0	0	0

Table 49 - Noise Contribution from Sources at Aug 2014

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	54	0	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	56	0	51	0	0	0	0	0	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	60	0	46	0	0	0	0	0	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	43	0	34	0	0	0	0	0	39	0	39	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	43	0	0	0	0	0	0	0	59	0	57	0	0	48	45	48	0	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	54	0	61	0	0	51	46	49	0	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	54	0	62	0	0	53	48	50	0	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	52	0	63	0	0	57	51	53	0	37	65	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	49	0	59	0	0	53	49	52	0	34	65	63	61	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	45	0	55	0	0	49	47	52	0	31	67	59	62	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	47	0	56	0	0	51	49	53	0	32	66	61	61	0	0	0	0	0	0	0	0

Table 50 - Noise Contribution from Sources at Sept 2014

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	54	0	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	56	0	51	0	0	0	0	0	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	60	0	46	0	0	0	0	0	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	43	0	34	0	0	0	0	0	39	0	39	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	43	0	0	0	0	0	0	0	59	0	57	0	0	48	45	48	0	38	0	59	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	54	0	61	0	0	51	46	49	0	42	0	61	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	54	0	62	0	0	53	48	50	0	40	0	62	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	52	0	63	0	0	57	51	53	0	37	65	65	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	49	0	59	0	0	53	49	52	0	34	65	63	61	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	45	0	55	0	0	49	47	52	0	31	67	59	62	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	47	0	56	0	0	51	49	53	0	32	66	61	61	0	0	0	0	0	0	0	0

Table 51 - Noise Contribution from Sources at Oct 2014

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	61	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	62	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	61	0	0	0	0	0	0	0	0

Table 52 - Noise Contribution from Sources at Nov 2014

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	59	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	58	0	0	0	0	0	0	0	0

Table 53 - Noise Contribution from Sources at Dec 2014

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	59	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	58	0	0	0	0	0	0	0	0

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Monthly Contribution (Unmitigated Scenario)

Table 54 - Noise Contribution from Sources at Jan 2015

NSRs	Work Site																												
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	59	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	58	0	0	0	0	0	0	0	0

Table 55 - Noise Contribution from Sources at Feb 2015

NSRs	Work Site																												
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	59	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	58	0	0	0	0	0	0	0	0

Table 56 - Noise Contribution from Sources at March 2015

NSRs	Work Site																												
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	59	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	58	0	0	0	0	0	0	0	0

Table 57 - Noise Contribution from Sources at Apr 2015

NSRs	Work Site																												
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	59	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	58	0	0	0	0	0	0	0	0

Table 58 - Noise Contribution from Sources at May 2015

NSRs	Work Site																												
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	59	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	58	0	0	0	0	0	0	0	0

Table 59 - Noise Contribution from Sources at June 2015

NSRs	Work Site																												
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	59	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	58	0	0	0	0	0	0	0	0

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation

Title : Monthly Contribution (Unmitigated Scenario)

Table 60 - Noise Contribution from Sources at July 2015

NSRs	Work Site																												
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	59	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	58	0	0	0	0	0	0	0	0

Table 61 - Noise Contribution from Sources at Aug 2015

NSRs	Work Site																												
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	59	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	58	0	0	0	0	0	0	0	0

Table 62 - Noise Contribution from Sources at Sept 2015

NSRs	Work Site																												
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	59	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	58	0	0	0	0	0	0	0	0

Table 63 - Noise Contribution from Sources at Oct 2015

NSRs	Work Site																												
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	59	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	58	0	0	0	0	0	0	0	0

Table 64 - Noise Contribution from Sources at Nov 2015

NSRs	Work Site																												
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	59	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	58	0	0	0	0	0	0	0	0

Table 65 - Noise Contribution from Sources at Dec 2015

NSRs	Work Site																												
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	59	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	58	0	0	0	0	0	0	0	0

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Monthly Contribution (Unmitigated Scenario)

Table 66 - Noise Contribution from Sources at Jan 2016

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	0	0	0	0	0	0	0	0

Table 67 - Noise Contribution from Sources at Feb 2016

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	0	0	0	0	0	0	0	0
																						58	0	0	0	0	0	0	0	0

Table 68 - Noise Contribution from Sources at March 2016

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	0	0	0	0	0	0	0	0

Table 69 - Noise Contribution from Sources at Apr 2016

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	0	0	0	0	0	0	0	0

Table 70 - Noise Contribution from Sources at May 2016

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	0	0	0	0	0	0	0	0

Table 71 - Noise Contribution from Sources at June 2016

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	0	0	0	0	0	0	0	0

APPENDIX 6H

Predicted Construction Noise Impacts – Unmitigated Scenario

Project : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Construction Noise Calculation
Scenario : Unmitigated Scenario

Activities	2010					2011												2012												2013											
	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
S13 - Contract Package III (Tunnel Construction at Airport Road)																																									
Sheet Piling Installation									97	97	97	97	97	97																											
Earthwork Excavation													127	127	127	127	127	127																							
Tunnel Box Construction																	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118										
Backfilling																																120	120	120	120	120					
Pavemen Reinstatement of Airport Road																																					118	118	118		
S14 - Contract Package III (Tunnel Construction under Airport Express Line)																																									
Construction of Shaft for Horizontal Pipe Piles Eqpt									124	124	124	124	124	124																											
Horizontal Pipe-Pile Jacking															119	119	119	119	119	119	119	119	119	119	119	119															
Tunnel Excavation																					128	128	128	128	128	128	128	128	128	128	128	128									
Tunnel Box Construction																											118	118	118	118	118	118	118	118	118	118	118	118	118	118	118
S15 - Contract Package III (Tunnel Construction on Reclamation)																																									
Sheet Piling Installation																												127	127	127											
Earthwork Excavation																															127	127	127	127	127	127					
Tunnel Box Construction																																					118	118	118	118	118
Backfilling																																									
Roadworks, TCSS & E&M Works inside Whole Tunnel																														118	118	118	118	118	118	118	118	118	118	118	118
S16 - Reclamation for Portion I																																									
Dredging seawall							117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117																		
Placing Seawall Core												111	111	111	111	111	111	111	111	111																					
Placing Sea armour rock															111	111	111	111	111	111	111																				
Filling & surcharging																			117	117	117	117	117	117	117	117	117	117	117	117	117	117									
Remove Subcharge																																	128	128	128						
Construction of at-grade Road																																				121	121	121	121	121	121
Landscaping Works																																									
TCSS: Installation and Testing																																							116	116	116
S17 - Reclamation for Portion II																																									
Dredging seawall																				117	117	117	117	117	117	117															
Placing Seawall Core																									111	111	111	111	111	111	111	111	111								
Placing Sea armour rock																												111	111	111	111	111	111	111							
Filling & surcharging																																117	117	117	117	117	117	117	117		
Remove Subcharge																																								128	128
Construction of at-grade Road																																									
S18 - Construction for Portion III																																									
Dredging seawall																				117	117	117	117	117	117	117															
Placing Seawall Core																									111	111	111	111	111	111	111	111	111								
Placing Sea armour rock																												111	111	111	111	111	111	111							
Filling & surcharging																																117	117	117	117	117	117	117	117		
Remove & Surcharge																																								128	128
Construction of at-grade Road																																									
Landscaping Works																																									
TCSS: Installation and Testing																																							113	113	113
S19 - Works Area WA1																																									
Barging Point for Construction	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102
S20 - HKBCF Phase 1																																									
Site Preparation & Mobilization	121	121																																							
Reclamation Works		134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134
Buildings & Roads on HKBCF										137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137
APM Construction		131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131
S21 - Roadlink with Airport																																									
Roadlink with Airport																		129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
S22 - HKBCF Phase 2																																									
Reclamation Works													132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
Buildings & Roads on HKBCF																																									

Summary of SWLs

Summary of SWLs	Aug 2010	Sept	Oct	Nov	Dec	Jan 2011	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan 2012	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan 2013	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
S1 - Contract Package I (Site Preparation & Mobilization)	0	0	0	0	0	0	0	0	0	123	123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2 - Contract Package I (Portion I-a)	0	0	0	0	0	0	0	0	0	0	0	122	122	122	122	122	122	122	122	122	123	123	123	123	0	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126
S3 - Contract Package I (Portion I-b)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123	123	123	123	126	126	126	126	123	0	0	0	0	0	0	0	0	0	0	0	0
S4 - Contract Package I (Portion I-c)	0	0	0	0	0	0	0	0	0	0	0	130	130	130	130	130	130	130	130	130	130	130	130	130	130	132	132	132	132	132	132	132	132	132	132	127	127	127	128	128	128
S5 - Contract Package II (Site Preparation & Mobilization)	0	0	0	0	0	0	0	0	0	123	123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6 - Contract Package II (Portion II-a)	0	0	0	0	0	0	0	0	0	0	0	122	122	122	122	122	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	0	0	0	0	0	0	0	0	0	0
S7 - Contract Package II (Portion II-b)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	122	122	122	122	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	0	0	0	0	0	0	0
S8 - Contract Package II (Portion II-c)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	122	122	122	122	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	0	0	0	0
S9 - Contract Package II (Portion II-d)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	122	122	122	122	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	0
S10 - Contract Package II (portion II-e)	0	0	0	0	0	0	0	0	0	0	0	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	124	124	124
S11 - Contract Package III (Site Preparation & Mobilization)	0	0	0	0	0	122	122	122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S12 - Contract Package III (Tunnel Construction at Scenic Hill)	0	0	0	0	0	0	0	0	125	125	125	125	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	129	129	129	129	129	129	129	129	129	129	129	129
S13 - Contract Package III (Tunnel Construction at Airport Road)	0	0	0	0	0	0	0	0	97	97	97	97	127	127	127	127	127	127	118	118	118	118	118	118	118	118	118	118	118	118	118	0	0	0	0	0	118	118	118	0	0
S14 - Contract Package III (Tunnel Construction under Airport Express Line)	0	0	0	0	0	0	0	0	124	124	124	124	124	124	119	119	119	119	119	119	128	128	128	128	128	128	128	128	128	128	128	128	118	118	118	118	118	118	118	118	118

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Activities	Max	2010 Aug	2010 Sept	2010 Oct	2010 Nov	2010 Dec	2011 Jan	2011 Feb	2011 March	2011 Apr	2011 May	2011 June	2011 July	2011 Aug	2011 Sept	2011 Oct	2011 Nov	2011 Dec
S15 - Contract Package III (Tunnel Construction on Reclamation)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S16 - Reclamation for Portion I		0	0	0	0	0	0	117	117	117	117	117	118	118	118	119	119	119
S17 - Reclamation for Portion II		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S18 - Construction for Portion III		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S19 - Works Area WA1		102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102
S20 - HKBCF Phase 1		121	136	136	136	136	136	136	136	136	139	139	139	139	139	139	139	139
S21 - Readlink with Airport		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S22 - HKBCF Phase 2		0	0	0	0	0	0	0	0	0	0	0	0	132	132	132	132	132
Predicted Construction Noise, dB(A)	Max																	
101 - San Shek Wan	72	0	0	0	0	0	0	0	0	0	0	0	69	69	69	69	69	69
102 - San Shek Wan	71	0	0	0	0	0	0	0	0	0	0	0	67	67	67	67	67	67
103 - Sha Lo Wan Chung Hau	74	0	0	0	0	0	0	0	0	0	50	50	71	71	71	72	72	72
104 - Sha Lo Wan Chung Hau	80	20	20	20	20	20	20	20	20	41	50	50	71	71	71	79	79	79
105 - Tin Sum	70	38	38	38	38	38	53	54	54	60	66	66	67	68	68	68	68	68
106 - Ma Wan Chung	70	42	42	42	42	42	57	58	58	64	65	65	66	68	68	68	68	68
113 - Tung Chung Crescent	71	40	40	40	40	40	59	60	60	65	67	67	66	69	69	69	69	69
126 - Seaview Crescent	74	49	63	63	63	63	65	66	66	68	70	70	70	72	72	72	72	72
136 - LeBleu	72	49	64	63	63	63	64	65	65	66	69	69	69	70	70	70	70	70
147 - Caribbean Coast	70	50	65	64	64	64	65	65	65	66	69	69	69	70	70	69	69	69
149 - Ho Yu College (Sik Sik Yuen)	71	50	64	64	64	64	64	65	65	66	69	69	68	70	70	69	69	70

Activities	2012 Jan	2012 Feb	2012 March	2012 Apr	2012 May	2012 June	2012 July	2012 Aug	2012 Sept	2012 Oct	2012 Nov	2012 Dec	2013 Jan	2013 Feb	2013 March	2013 Apr	2013 May	2013 June	2013 July	2013 Aug	2013 Sept	2013 Oct	2013 Nov	2013 Dec
S15 - Contract Package III (Tunnel Construction on Reclamation)	0	0	0	0	0	0	0	0	0	0	127	127	127	127	127	127	127	127	127	121	121	121	121	121
S16 - Reclamation for Portion I	119	119	119	118	117	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116	116	116
S17 - Reclamation for Portion II	0	0	117	117	117	117	117	118	118	111	114	114	114	114	114	114	111	0	0	0	0	0	0	0
S18 - Construction for Portion III	0	0	117	117	117	117	117	118	118	111	114	114	114	114	119	119	118	117	117	117	117	117	0	0
S19 - Works Area WA1	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102
S20 - HKBCF Phase 1	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139
S21 - Readlink with Airport	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
S22 - HKBCF Phase 2	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
Predicted Construction Noise, dB(A)																								
101 - San Shek Wan	69	69	69	70	70	70	70	71	72	72	72	72	71	71	71	71	71	71	68	68	68	68	68	68
102 - San Shek Wan	68	68	68	69	69	70	70	70	71	71	71	71	70	70	70	70	70	69	68	68	67	68	68	68
103 - Sha Lo Wan Chung Hau	72	72	73	73	73	73	73	72	74	74	74	74	74	74	71	71	71	70	70	70	69	70	70	70
104 - Sha Lo Wan Chung Hau	79	79	80	80	80	80	80	80	80	80	80	80	80	80	79	79	79	59	59	59	56	56	56	55
105 - Tin Sum	69	68	68	69	69	69	69	69	70	70	70	70	70	70	70	70	70	70	70	69	69	70	69	69
106 - Ma Wan Chung	69	68	68	69	69	69	69	69	69	69	69	69	70	70	70	69	69	69	69	69	69	69	69	69
113 - Tung Chung Crescent	70	69	69	70	70	70	70	70	70	70	70	70	71	71	71	70	70	70	70	70	70	70	70	70
126 - Seaview Crescent	73	72	72	73	73	73	73	73	73	73	74	74	74	74	74	73	73	73	73	72	72	73	72	72
136 - LeBleu	71	70	70	71	71	71	71	71	71	71	72	72	72	72	72	71	71	71	71	71	71	71	71	71
147 - Caribbean Coast	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
149 - Ho Yu College (Sik Sik Yuen)	70	70	70	70	70	70	70	70	70	70	70	70	71	71	71	70	70	70	70	70	70	70	70	70

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Activities	2014												2015												2016					
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June
S1 - Contract Package I (Site Preparation & Mobilization)																														
Site Preparation & Mobilization																														
S2 - Contract Package I (Portion I-a)																														
Piles Contruction																														
Pilecaps Construction																														
Pier Construction																														
Construction of Bridge Deck																														
Erection of Bridge Deck Travellers / Lunching Gantries																														
Bridge Roadworks and Installation Services	126	126	126	126	126	126	126																							
TCSS: Installation and Testing	116	116	116	116	116	116	116	116	116																					
S3 - Contract Package I (Portion I-b)																														
Piles Construction																														
Pilecaps Construction																														
Pier Construction																														
Construction of Bridge Deck																														
S4 - Contract Package I (Portion I-c)																														
Piles Construction																														
Pilecaps Construction																														
Pier Construction																														
Construction of Bridge Deck	123	123																												
Erection of Bridge Deck Travellers / Lunching Gantries																														
Bridge Roadworks and Installation Services	126	126	126	126	126	126	126																							
TCSS: Installation and Testing	116	116	116	116	116	116	116	116	116																					
S5 - Contract Package II (Site Preparation & Mobilization)																														
Site Preparation & Mobilization																														
S6 - Contract Package II (Portion II-a)																														
Piles Construction																														
Pilecaps Construction																														
Pier Construction																														
Construction of Bridge Deck																														
Erection of Bridge Travellers / Lunching Gantries																														
Bridge Roadworks and Installation Services	126	126	126	126	126	126	126																							
TCSS: Installation and Testing	116	116	116	116	116	116	116	116	116																					
S7 - Contract Package II (Portion II-b)																														
Piles Construction																														
Pilecaps Construction																														
Pier Construction																														
Construction of Bridge Deck																														
S8 - Contract Package II (Portion II-c)																														
Piles Construction																														
Pilecaps Construction																														
Pier Construction																														
Construction of Bridge Deck																														
S9 - Contract Package II (Portion II-d)																														
Piles Construction																														
Pilecaps Construction																														
Pier Construction																														
Construction of Bridge Deck																														
S10 - Contract Package II (portion II-e)																														
Piles Construction																														
Pilecaps Construction																														
Pier Construction																														
Construction of Bridge Deck	123	123																												
Erection of Bridge Travellers / Lunching Gantries																														
Bridge Roadworks and Installation Services	126	126	126	126	126	126	126																							
TCSS: Installation and Testing	116	116	116	116	116	116	116	116	116																					
S11 - Contract Package III (Site Preparation & Mobilization)																														
Site Preparation & Mobilization																														
S12 - Contract Package III (Tunnel) Construction at Scenic Hill)																														
Preparatory Works																														
Tunnel Excavation & Internal Structure Constn																														
Portal & Ventilation Building at Scenic Hill	122	122	122	122	122	122	122	122	122																					
Roads, TCSS & E&M Works inside Whole Tunnel	119	119	119	119	119	119	119	119	119																					

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Title : Construction Noise Calculation
Scenario : Unmitigated Scenario

Activities	2014												2015												2016					
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June
S13 - Contract Package III (Tunnel Construction at Airport Road)																														
Sheet Piling Installation																														
Earthwork Excavation																														
Tunnel Box Construction																														
Backfilling																														
Pavemen Reinstatement of Airport Road																														
S14 - Contract Package III (Tunnel Construction under Airport Express Line)																														
Construction of Shaft for Horizontal Pipe Piles Eqpt																														
Horizontal Pipe-Pile Jacking																														
Tunnel Excavation																														
Tunnel Box Construction																														
S15 - Contract Package III (Tunnel Construction on Reclamation)																														
Sheet Piling Installation																														
Earthwork Excavation																														
Tunnel Box Construction	118	118	118	118	118	118	118																							
Backfilling		120	120	120	120	120	120																							
Readworks, TCSS & E&M Works inside Whole Tunnel	118	118	118	118	118	118	118	118	118																					
S16 - Reclamation for Portion I																														
Dredging seawall																														
Placing Seawall Core																														
Placing Sea armour rock																														
Filling & surcharging																														
Remove Subcharge																														
Construction of at-grade Road	121	121	121	121	121	121	121	121	121																					
Landscaping Works	115	115	115	115	115	115	115	115	115																					
TCSS: Installation and Testing	116	116	116	116	116	116	116	116	116																					
S17 - Reclamation for Portion II																														
Dredging seawall																														
Placing Seawall Core																														
Placing Sea armour rock																														
Filling & surcharging																														
Remove Subcharge																														
Construction of at-grade Road	121	121	121	121	121	121	121	121	121																					
S18 - Construction for Portion III																														
Dredging seawall																														
Placing Seawall Core																														
Placing Sea armour rock																														
Filling & surcharging																														
Remove & Surcharge																														
Construction of at-grade Road	121	121	121	121	121	121	121	121	121																					
Landscaping Works	115	115	115	115	115	115	115	115	115																					
TCSS: Installation and Testing	113	113	113	113	113	113	113	113	113																					
S19 - Works Area WA1																														
Barging Point for Construction	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102						
S20 - HKBCF Phase 1																														
Site Preparation & Mobilization																														
Reclamation Works																														
Buildings & Roads on HKBCF	137	137	137	137	137	137	137	137	137																					
APM Construction	131	131	131	131	131	131	131	131	131																					
S21 - Roadlink with Airport																														
Roadlink with Airport	129	129	129	129	129	129	129	129	129																					
S22 - HKBCF Phase 2																														
Reclamation Works	132	132	132	132	132	132	132	132	132	132																				
Buildings & Roads on HKBCF					132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132

Summary of SWLs

S1 - Contract Package I (Site Preparation & Mobilization)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2 - Contract Package I (Portion I-a)	126	126	126	126	126	126	126	116	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3 - Contract Package I (Portion I-b)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4 - Contract Package I (Portion I-c)	128	128	126	126	126	126	126	116	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5 - Contract Package II (Site Preparation & Mobilization)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6 - Contract Package II (Portion II-a)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S7 - Contract Package II (Portion II-b)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S8 - Contract Package II (Portion II-c)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S9 - Contract Package II (Portion II-d)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S10 - Contract Package II (portion II-e)	116	116	116	116	116	116	116	116	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S11 - Contract Package III (Site Preparation & Mobilization)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S12 - Contract Package III (Tunnel Construction at Scenic Hill)	124	124	124	124	124	124	124	124	124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S13 - Contract Package III (Tunnel Construction at Airport Road)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S14 - Contract Package III (Tunnel Construction under Airport Express Line)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Activities		2014											
		Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
S15 - Contract Package III (Tunnel Construction on Reclamation)		121	121	121	121	121	121	121	118	118	0	0	0
S16 - Reclamation for Portion I		116	116	116	116	116	116	116	116	116	0	0	0
S17 - Reclamation for Portion II		121	121	121	121	121	121	121	121	121	0	0	0
S18 - Construction for Portion III		0	0	0	0	0	0	0	0	0	0	0	0
S19 - Works Area WA1		102	102	102	102	102	102	102	102	102	102	102	102
S20 - HKBCF Phase 1		138	138	138	138	138	138	138	138	138	0	0	0
S21 - Roadlink with Airport		129	129	129	129	129	129	129	129	129	0	0	0
S22 - HKBCF Phase 2		132	132	132	132	135	135	135	135	135	135	132	132
Predicted Construction Noise, dB(A)	**Max**												
101 - San Shek Wan	72	68	68	67	67	67	67	67	58	59	0	0	0
102 - San Shek Wan	71	68	68	67	67	67	67	67	58	58	0	0	0
103 - Sha Lo Wan Chung Hau	74	70	70	69	69	69	69	69	60	60	0	0	0
104 - Sha Lo Wan Chung Hau	80	54	54	54	54	54	54	54	46	46	20	20	20
105 - Tin Sum	70	64	64	64	64	64	64	64	64	64	38	38	38
106 - Ma Wan Chung	70	65	65	65	65	65	65	65	65	65	42	42	42
113 - Tung Chung Crescent	71	66	66	66	66	66	66	66	66	66	40	40	40
126 - Seaview Crescent	74	70	70	70	70	70	70	70	70	70	37	37	37
136 - LeBleu	72	69	69	69	69	69	69	69	69	69	61	58	58
147 - Caribbean Coast	70	68	68	68	68	69	69	69	69	69	62	59	59
149 - Ho Yu College (Sik Sik Yuen)	71	68	68	68	68	69	69	69	69	69	61	58	58

Activities	2015											
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
S15 - Contract Package III (Tunnel Construction on Reclamation)	0	0	0	0	0	0	0	0	0	0	0	0
S16 - Reclamation for Portion I	0	0	0	0	0	0	0	0	0	0	0	0
S17 - Reclamation for Portion II	0	0	0	0	0	0	0	0	0	0	0	0
S18 - Construction for Portion III	0	0	0	0	0	0	0	0	0	0	0	0
S19 - Works Area WA1	102	102	102	102	102	102	102	102	102	102	102	102
S20 - HKBCF Phase 1	0	0	0	0	0	0	0	0	0	0	0	0
S21 - Roadlink with Airport	0	0	0	0	0	0	0	0	0	0	0	0
S22 - HKBCF Phase 2	132	132	132	132	132	132	132	132	132	132	132	132
Predicted Construction Noise, dB(A)												
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	20	20	20	20	20	20	20	20	20	20	20	20
105 - Tin Sum	38	38	38	38	38	38	38	38	38	38	38	38
106 - Ma Wan Chung	42	42	42	42	42	42	42	42	42	42	42	42
113 - Tung Chung Crescent	40	40	40	40	40	40	40	40	40	40	40	40
126 - Seaview Crescent	37	37	37	37	37	37	37	37	37	37	37	37
136 - LeBleu	58	58	58	58	58	58	58	58	58	58	58	58
147 - Caribbean Coast	59	59	59	59	59	59	59	59	59	59	59	59
149 - Ho Yu College (Sik Sik Yuen)	58	58	58	58	58	58	58	58	58	58	58	58

Activities	2016					
	Jan	Feb	March	Apr	May	June
S15 - Contract Package III (Tunnel Construction on Reclamation)	0	0	0	0	0	0
S16 - Reclamation for Portion I	0	0	0	0	0	0
S17 - Reclamation for Portion II	0	0	0	0	0	0
S18 - Construction for Portion III	0	0	0	0	0	0
S19 - Works Area WA1	0	0	0	0	0	0
S20 - HKBCF Phase 1	0	0	0	0	0	0
S21 - Roadlink with Airport	0	0	0	0	0	0
S22 - HKBCF Phase 2	132	132	132	132	132	132
Predicted Construction Noise, dB(A)						
101 - San Shek Wan	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0
136 - LeBleu	58	58	58	58	58	58
147 - Caribbean Coast	59	59	59	59	59	59
149 - Ho Yu College (Sik Sik Yuen)	58	58	58	58	58	58

APPENDIX 6HA

Sample Calculation of Construction Noise

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Construction Noise Calculation - Dec 2011 (Sample Cal)

Table 1 - Notional Distance from Construction Sites to NSRs, m

	Work Site																					
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22
101 - San Shek Wan		710	590	680		1300	1870	2320	2720													
102 - San Shek Wan		560	560	990		890	1400	1840	2240	2720												
103 - Sha Lo Wan Chung Hau	2500	390	1050	1790		260	410	890	1310	1830												
104 - Sha Lo Wan Chung Hau	2080	810	1540	2280	2960	200	90	400	820	1370		2940							2640			
105 - Tin Sum	480	2520			1230	1970	1420	1090	690	400	1690	1230	1710	1770	1840	2030	2580	2690	900		1790	
106 - Ma Wan Chung	1090				720		2900	2560	2080	720	1020	750	1090	1160	1260	1650	2220	2420	620		1460	
113 - Tung Chung Crescent	1310				750			2860	2340	770	780	710	860	920	1000	1400	1920	2140	770		1260	
126 - Seaview Crescent	1530				910				2540	920	560	600	620	640	670	1010	1440	1660	1050	2510	970	
136 - LeBleu	1930				1300				2930	1320	910	950	910	910	960	1210	1500	1720	1440	2350	1240	2970
147 - Caribbean Coast	2590				1970					1980	1550	1600	1540	1520	1550	1500	1580	1760	2110	2070	1790	2720
149 - Ho Yu College (Sik Sik Yuen)	2330				1710					1720	1290	1350	1280	1270	1300	1290	1430	1620	1850	2190	1560	2820

Table 2 - Distance Attenuation and Facade Correction, dB(A)

	Work Site																					
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22
101 - San Shek Wan		-62	-60	-62		-67	-70	-72	-74													
102 - San Shek Wan		-60	-60	-65		-64	-68	-70	-72	-74												
103 - Sha Lo Wan Chung Hau	-73	-57	-65	-70		-53	-57	-64	-67	-70												
104 - Sha Lo Wan Chung Hau	-71	-63	-69	-72	-74	-51	-44	-57	-63	-68		-74							-73			
105 - Tin Sum	-59	-73			-67	-71	-68	-66	-62	-57	-70	-67	-70	-70	-70	-71	-73	-74	-64		-70	
106 - Ma Wan Chung	-66				-62		-74	-73	-71	-62	-65	-63	-66	-66	-67	-69	-72	-73	-61		-68	
113 - Tung Chung Crescent	-67				-63			-74	-72	-63	-63	-62	-64	-64	-65	-68	-71	-72	-63		-67	
126 - Seaview Crescent	-69				-64				-73	-64	-60	-61	-61	-61	-62	-65	-68	-69	-65	-73	-65	
136 - LeBleu	-71				-67				-74	-67	-64	-65	-64	-64	-65	-67	-69	-70	-68	-72	-67	-74
147 - Caribbean Coast	-73				-71					-71	-69	-69	-69	-69	-69	-69	-69	-70	-71	-71	-70	-74
149 - Ho Yu College (Sik Sik Yuen)	-72				-70					-70	-67	-68	-67	-67	-67	-67	-68	-69	-70	-72	-69	-74

Table 3 - Screening Between Construction Sites and NSRs, dB(A)

	Work Site																					
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	-10	-10	-10	-10	0	0	0	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4 - Sum of Distance Attenuation and Screening, dB(A)

	Work Site																					
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22
101 - San Shek Wan	0	-62	-60	-62	0	-67	-70	-72	-74	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	-60	-60	-65	0	-64	-68	-70	-72	-74	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	-73	-57	-65	-70	0	-53	-57	-64	-67	-70	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	-81	-73	-79	-82	-74	-51	-44	-67	-73	-78	0	-84	0	0	0	0	0	0	-83	0	0	0
105 - Tin Sum	-59	-73	0	0	-67	-71	-68	-66	-62	-57	-70	-67	-70	-70	-70	-71	-73	-74	-64	0	-70	0
106 - Ma Wan Chung	-66	0	0	0	-62	0	-74	-73	-71	-62	-65	-63	-66	-66	-67	-69	-72	-73	-61	0	-68	0
113 - Tung Chung Crescent	-67	0	0	0	-63	0	0	-74	-72	-63	-63	-62	-64	-64	-65	-68	-71	-72	-63	0	-67	0
126 - Seaview Crescent	-69	0	0	0	-64	0	0	0	-73	-64	-60	-61	-61	-61	-62	-65	-68	-69	-65	-73	-65	0
136 - LeBleu	-71	0	0	0	-67	0	0	0	-74	-67	-64	-65	-64	-64	-65	-67	-69	-70	-68	-72	-67	-74
147 - Caribbean Coast	-73	0	0	0	-71	0	0	0	0	-71	-69	-69	-69	-69	-69	-69	-69	-70	-71	-71	-70	-74
149 - Ho Yu College (Sik Sik Yuen)	-72	0	0	0	-70	0	0	0	0	-70	-67	-68	-67	-67	-67	-67	-68	-69	-70	-72	-69	-74

Table 5 - SWL's of PMEs, dB(A)

	Work Site																					
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22
101 - San Shek Wan	0	122	0	130	0	123	122	0	0	123	0	128	127	119	0	119	0	0	102	139	0	132
102 - San Shek Wan	0	122	0	130	0	123	122	0	0	123	0	128	127	119	0	119	0	0	102	139	0	132
103 - Sha Lo Wan Chung Hau	0	122	0	130	0	123	122	0	0	123	0	128	127	119	0	119	0	0	102	139	0	132
104 - Sha Lo Wan Chung Hau	0	122	0	130	0	123	122	0	0	123	0	128	127	119	0	119	0	0	102	139	0	132
105 - Tin Sum	0	122	0	130	0	123	122	0	0	123	0	128	127	119	0	119	0	0	102	139	0	132
106 - Ma Wan Chung	0	122	0	130	0	123	122	0	0	123	0	128	127	119	0	119	0	0	102	139	0	132
113 - Tung Chung Crescent	0	122	0	130	0	123	122	0	0	123	0	128	127	119	0	119	0	0	102	139	0	132
126 - Seaview Crescent	0	122	0	130	0	123	122	0	0	123	0	128	127	119	0	119	0	0	102	139	0	132
136 - LeBleu	0	122	0	130	0	123	122	0	0	123	0	128	127	119	0	119	0	0	102	139	0	132
147 - Caribbean Coast	0	122	0	130	0	123	122	0	0	123	0	128	127	119	0	119	0	0	102	139	0	132
149 - Ho Yu College (Sik Sik Yuen)	0	122	0	130	0	123	122	0	0	123	0	128	127	119	0	119	0	0	102	139	0	132

Table 6 - Predicted Construction Noise, dB(A)

	Work Site																						
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	Total
101 - San Shek Wan	0	60	0	68	0	56	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69
102 - San Shek Wan	0	62	0	65	0	59	54	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	67
103 - Sha Lo Wan Chung Hau	0	65	0	59	0	70	65	0	0	52	0	0	0	0	0	0	0	0	0	0	0	0	72
104 - Sha Lo Wan Chung Hau	0	49	0	47	0	72	78	0	0	45	0	43	0	0	0	0	0	0	19	0	0	0	79
105 - Tin Sum	0	49	0	0	0	52	54	0	0	66	0	61	58	49	0	48	0	0	38	0	0	0	68
106 - Ma Wan Chung	0	0	0	0	0	0	48	0	0	61	0	65	61	53	0	49	0	0	42	0	0	0	68
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	60	0	66	63	55	0	51	0	0	40	0	0	0	69
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	58	0	67	66	58	0	54	0	0	37	66	0	0	72
136 - LeBleu	0	0	0	0	0	0	0	0	0	55	0	63	63	55	0	52	0	0	34	67	0	58	70
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	52	0	59	58	51	0	50	0	0	31	68	0	58	69
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	53	0	60	60	52	0	52	0	0	32	68	0	58	70

APPENDIX 6I

Monthly Construction Noise Calculation – Mitigated Scenario

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Monthly Contribution (Mitigated Scenario)

Table 1 - Noise Contribution from Sources at Aug 2010

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	48	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	49	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	50	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	49	0	0	0	0	0	0	0	0	0	0

Table 2 - Noise Contribution from Sources at Sept 2010

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	59	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	60	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	61	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	61	0	0	0	0	0	0	0	0	0	0

Table 3 - Noise Contribution from Sources at Oct 2010

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	59	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	60	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	61	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	60	0	0	0	0	0	0	0	0	0	0

Table 4 - Noise Contribution from Sources at Nov 2010

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	59	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	60	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	61	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	60	0	0	0	0	0	0	0	0	0	0

Table 5 - Noise Contribution from Sources at Dec 2010

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	59	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	60	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	61	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	60	0	0	0	0	0	0	0	0	0	0

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Monthly Contribution (Mitigated Scenario)

Table 6 - Noise Contribution from Sources at Jan 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	51	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	55	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	57	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	60	0	0	0	0	0	0	0	37	59	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	56	0	0	0	0	0	0	0	34	60	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	51	0	0	0	0	0	0	0	31	61	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	53	0	0	0	0	0	0	0	32	60	0	0	0	0	0	0	0	0	0	0

Table 7 - Noise Contribution from Sources at Feb 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	51	0	0	0	0	46	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	55	0	0	0	0	48	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	57	0	0	0	0	49	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	60	0	0	0	0	52	0	0	37	59	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	56	0	0	0	0	51	0	0	34	60	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	51	0	0	0	0	49	0	0	31	61	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	53	0	0	0	0	50	0	0	32	60	0	0	0	0	0	0	0	0	0	0

Table 8 - Noise Contribution from Sources at March 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	51	0	0	0	0	46	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	55	0	0	0	0	48	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	57	0	0	0	0	49	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	60	0	0	0	0	52	0	0	37	59	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	56	0	0	0	0	51	0	0	34	60	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	51	0	0	0	0	49	0	0	31	61	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	53	0	0	0	0	50	0	0	32	60	0	0	0	0	0	0	0	0	0	0

Table 9 - Noise Contribution from Sources at Apr 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	35	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	52	27	47	0	46	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	56	31	51	0	48	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	57	33	53	0	49	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	58	36	56	0	52	0	0	37	59	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	54	33	53	0	51	0	0	34	60	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	50	28	49	0	49	0	0	31	61	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	51	30	50	0	50	0	0	32	60	0	0	0	0	0	0	0	0	0	0

Table 10 - Noise Contribution from Sources at May 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	41	0	0	0	48	0	0	0	0	0	0	35	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	64	0	0	0	56	0	0	0	0	0	0	52	27	47	0	46	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	57	0	0	0	60	0	0	0	0	0	0	56	31	51	0	48	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	55	0	0	0	60	0	0	0	0	0	0	57	33	53	0	49	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	54	0	0	0	58	0	0	0	0	0	0	58	36	56	0	52	0	0	37	61	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	52	0	0	0	55	0	0	0	0	0	0	54	33	53	0	51	0	0	34	62	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	49	0	0	0	51	0	0	0	0	0	0	50	28	49	0	49	0	0	31	63	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	50	0	0	0	53	0	0	0	0	0	0	51	30	50	0	50	0	0	32	62	0	0	0	0	0	0	0	0	0	0

Table 11 - Noise Contribution from Sources at June 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	41	0	0	0	48	0	0	0	0	0	0	35	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	64	0	0	0	56	0	0	0	0	0	0	52	27	47	0	46	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	57	0	0	0	60	0	0	0	0	0	0	56	31	51	0	48	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	55	0	0	0	60	0	0	0	0	0	0	57	33	53	0	49	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	54	0	0	0	58	0	0	0	0	0	0	58	36	56	0	52	0	0	37	61	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	52	0	0	0	55	0	0	0	0	0	0	54	33	53	0	51	0	0	34	62	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	49	0	0	0	51	0	0	0	0	0	0	50	28	49	0	49	0	0	31	63	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	50	0	0	0	53	0	0	0	0	0	0	51	30	50	0	50	0	0	32	62	0	0	0	0	0	0	0	0	0	0

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation

Title : Monthly Contribution (Mitigated Scenario)

Table 12 - Noise Contribution from Sources at July 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	52	0	60	0	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	54	0	57	0	50	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	57	0	51	0	61	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	41	0	39	0	63	0	0	0	37	0	35	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	41	0	0	0	43	0	0	0	58	0	52	27	47	0	47	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	53	0	56	31	51	0	49	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	52	0	57	33	53	0	50	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	51	0	58	36	56	0	53	0	0	37	61	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	48	0	54	33	53	0	51	0	0	34	62	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	50	28	43	0	50	0	0	31	63	0	0	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	51	30	50	0	51	0	0	32	62	0	0	0	0	0	0	0	0	0	0

Table 13 - Noise Contribution from Sources at Aug 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	52	0	60	0	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	54	0	57	0	50	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	57	0	51	0	61	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	41	0	39	0	63	0	0	0	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	41	0	0	0	43	0	0	0	58	0	50	51	47	0	47	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	53	0	55	55	51	0	49	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	52	0	55	57	53	0	50	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	51	0	57	59	56	0	53	0	0	37	61	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	48	0	53	56	53	0	51	0	0	34	62	0	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	52	49	0	50	0	0	31	63	0	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	53	50	0	51	0	0	32	62	0	55	0	0	0	0	0	0	0	0

Table 14 - Noise Contribution from Sources at Sept 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	52	0	60	0	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	54	0	57	0	50	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	57	0	51	0	61	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	41	0	39	0	63	0	0	0	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	41	0	0	0	43	0	0	0	58	0	50	51	47	0	47	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	53	0	55	55	51	0	49	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	52	0	55	57	53	0	50	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	51	0	57	59	56	0	53	0	0	37	61	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	48	0	53	56	53	0	51	0	0	34	62	0	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	52	49	0	50	0	0	31	63	0	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	53	50	0	51	0	0	32	62	0	55	0	0	0	0	0	0	0	0

Table 15 - Noise Contribution from Sources at Oct 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	52	0	60	0	47	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	54	0	57	0	50	46	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	57	0	51	0	61	57	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	41	0	39	0	63	70	0	0	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	41	0	0	0	43	46	0	0	58	0	50	51	46	0	48	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	40	0	0	53	0	55	55	50	0	49	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	52	0	55	57	52	0	51	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	51	0	57	59	55	0	54	0	0	37	61	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	48	0	53	56	52	0	52	0	0	34	62	0	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	52	48	0	50	0	0	31	63	0	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	53	49	0	52	0	0	32	62	0	55	0	0	0	0	0	0	0	0

Table 16 - Noise Contribution from Sources at Nov 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	52	0	60	0	47	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	54	0	57	0	50	46	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	57	0	51	0	61	57	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	41	0	39	0	63	70	0	0	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	41	0	0	0	43	46	0	0	58	0	50	51	46	0	48	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	40	0	0	53	0	55	55	50	0	49	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	52	0	55	57	52	0	51	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	51	0	57	59	55	0	54	0	0	37	61	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	48	0	53	56	52	0	52	0	0	34	62	0	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	52	48	0	50	0	0	31	63	0	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	53	49	0	52	0	0	32	62	0	55	0	0	0	0	0	0	0	0

Table 17 - Noise Contribution from Sources at Dec 2011

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	52	0	60	0	48	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	54	0	57	0	52	46	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	57	0	51	0	62	57	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	41	0	39	0	65	70	0	0	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	41	0	0	0	45	46	0	0	58	0	50	51	46	0	48	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	40	0	0	53	0	55	55	50	0	49	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	52	0	55	57	52	0	51	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	51	0	57	60	55	0	54	0	0	37	61	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	48	0	53	56	52	0	52	0	0	34	62	0	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	52	48	0	50	0	0	31	63	0	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	53	49	0	52	0	0	32	62	0	55	0	0	0	0	0	0	0	0

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation

Title : Monthly Contribution (Mitigated Scenario)

Table 18 - Noise Contribution from Sources at Jan 2012

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	53	0	60	0	48	43	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	55	0	57	0	52	46	44	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	59	0	52	0	62	57	50	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	42	0	40	0	65	70	47	0	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	42	0	0	0	45	46	48	0	58	0	50	51	46	0	48	0	0	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	40	41	0	53	0	55	55	50	0	49	0	0	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	40	0	52	0	55	57	52	0	51	0	0	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	51	0	57	60	55	0	54	0	0	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	48	0	53	56	52	0	52	0	0	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	52	48	0	50	0	0	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	53	49	0	52	0	0	32	62	56	55	0	0	0	0	0	0	0	0

Table 19 - Noise Contribution from Sources at Feb 2012

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	53	0	60	0	48	43	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	55	0	57	0	52	46	44	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	59	0	52	0	62	57	50	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	42	0	40	0	65	70	47	0	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	42	0	0	0	45	46	48	0	58	0	50	39	46	0	48	0	0	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	40	41	0	53	0	55	43	50	0	49	0	0	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	40	0	52	0	55	45	52	0	51	0	0	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	51	0	57	48	55	0	54	0	0	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	48	0	53	45	52	0	52	0	0	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	40	48	0	50	0	0	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	42	49	0	52	0	0	32	62	56	55	0	0	0	0	0	0	0	0

Table 20 - Noise Contribution from Sources at March 2012

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	53	0	60	0	48	45	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	55	0	57	0	52	48	44	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	59	0	52	0	62	58	50	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	42	0	40	0	65	72	47	0	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	42	0	0	0	45	48	48	0	58	0	50	39	45	0	48	44	44	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	41	41	0	53	0	55	43	50	0	49	45	45	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	40	0	52	0	55	45	52	0	51	47	46	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	51	0	57	48	55	0	54	49	48	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	48	0	53	45	52	0	52	49	48	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	40	48	0	50	48	47	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	42	49	0	52	49	48	32	62	56	55	0	0	0	0	0	0	0	0

Table 21 - Noise Contribution from Sources at Apr 2012

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	54	55	61	0	48	45	42	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	56	55	58	0	52	48	44	42	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	59	50	52	0	62	58	50	47	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	42	36	40	0	65	72	47	41	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	43	0	0	0	45	48	48	52	58	0	50	39	52	0	47	44	44	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	41	41	43	53	0	55	43	55	0	49	45	45	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	40	42	52	0	55	45	57	0	50	47	46	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	41	51	0	57	48	60	0	53	49	48	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	40	48	0	53	45	57	0	51	49	48	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	40	53	0	50	48	47	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	42	54	0	51	49	48	32	62	56	55	0	0	0	0	0	0	0	0

Table 22 - Noise Contribution from Sources at May 2012

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	54	55	61	0	48	45	42	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	56	55	58	0	52	48	44	42	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	59	50	52	0	62	58	50	47	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	42	36	40	0	65	72	47	41	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	43	0	0	0	45	48	48	52	58	0	50	39	52	0	46	44	44	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	41	41	43	53	0	55	43	55	0	48	45	45	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	40	42	52	0	55	45	57	0	49	47	46	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	41	51	0	57	48	60	0	52	49	48	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	40	48	0	53	45	57	0	51	49	48	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	40	53	0	49	48	47	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	42	54	0	50	49	48	32	62	56	55	0	0	0	0	0	0	0	0

Table 23 - Noise Contribution from Sources at June 2012

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	54	55	61	0	48	45	43	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	56	55	58	0	52	48	45	42	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	59	50	52	0	62	58	52	47	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	42	36	40	0	65	72	49	41	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	43	0	0	0	45	48	50	52	58	0	50	39	52	0	46	44	44	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	41	42	43	53	0	55	43	55	0	48	45	45	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	41	42	52	0	55	45	57	0	49	47	46	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	41	51	0	57	48	60	0	52	49	48	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	40	48	0	53	45	57	0	51	49	48	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	40	53	0	49	48	47	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	42	54	0	50	49	48	32	62	56	55	0	0	0	0	0	0	0	0

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Monthly Contribution (Mitigated Scenario)

Table 24 - Noise Contribution from Sources at July 2012

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	54	55	61	0	48	45	43	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	56	55	58	0	52	48	45	42	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	59	50	52	0	62	58	52	47	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	42	36	40	0	65	72	49	41	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	43	0	0	0	45	48	50	52	58	0	50	39	52	0	0	44	44	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	41	42	43	53	0	55	43	55	0	0	45	45	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	41	42	52	0	55	45	57	0	0	47	46	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	41	51	0	57	48	60	0	0	49	48	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	40	48	0	53	45	57	0	0	49	48	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	49	40	53	0	0	48	47	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	42	54	0	0	49	48	32	62	56	55	0	0	0	0	0	0	0	0

Table 25 - Noise Contribution from Sources at Aug 2012

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	56	61	0	48	45	43	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	56	58	0	52	48	45	42	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	53	52	0	62	58	52	47	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	40	40	0	65	72	49	41	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	45	48	50	52	58	0	50	39	52	0	0	45	45	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	41	42	43	53	0	55	43	55	0	0	46	45	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	41	42	52	0	55	45	57	0	0	47	47	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	41	51	0	57	48	60	0	0	50	49	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	40	48	0	53	45	57	0	0	50	48	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	40	53	0	0	49	48	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	42	54	0	0	50	49	32	62	56	55	0	0	0	0	0	0	0	0

Table 26 - Noise Contribution from Sources at Sept 2012

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	53	58	62	0	48	45	43	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	56	58	58	0	52	48	45	44	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	59	53	53	0	62	58	52	48	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	42	40	41	0	65	72	49	42	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	42	0	0	0	45	48	50	54	58	0	50	39	52	0	0	45	45	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	41	42	44	53	0	55	43	55	0	0	46	45	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	41	43	52	0	55	45	57	0	0	47	47	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	42	51	0	57	48	60	0	0	50	49	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	41	48	0	53	45	57	0	0	50	48	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	40	53	0	0	49	48	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	42	54	0	0	50	49	32	62	56	55	0	0	0	0	0	0	0	0

Table 27 - Noise Contribution from Sources at Oct 2012

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	53	58	62	0	48	45	43	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	56	58	58	0	52	48	45	44	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	59	53	53	0	62	58	52	48	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	42	40	41	0	65	72	49	42	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	42	0	0	0	45	48	50	54	58	0	50	39	50	0	0	37	37	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	41	42	44	53	0	55	43	54	0	0	39	38	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	41	43	52	0	55	45	56	0	0	40	39	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	42	51	0	57	48	59	0	0	42	41	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	41	48	0	53	45	56	0	0	42	41	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	40	52	0	0	42	41	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	42	53	0	0	42	41	32	62	56	55	0	0	0	0	0	0	0	0

Table 28 - Noise Contribution from Sources at Nov 2012

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	53	58	62	0	48	45	43	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	56	58	58	0	52	48	45	44	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	59	53	53	0	62	58	52	48	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	42	40	41	0	65	72	49	42	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	42	0	0	0	45	48	50	54	58	0	50	39	50	48	0	40	40	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	41	42	44	53	0	55	43	54	51	0	42	41	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	41	43	52	0	55	45	56	53	0	43	42	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	42	51	0	57	48	59	57	0	45	44	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	41	48	0	53	45	56	54	0	45	44	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	40	52	50	0	45	44	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	42	53	51	0	45	44	32	62	56	55	0	0	0	0	0	0	0	0

Table 29 - Noise Contribution from Sources at Dec 2012

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	53	55	62	0	48	45	43	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	56	55	58	0	52	48	45	44	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	59	50	53	0	62	58	52	48	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	42	36	41	0	65	72	49	42	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	42	0	0	0	45	48	50	54	58	0	50	39	50	48	0	40	40	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	41	42	44	53	0	55	43	54	51	0	42	41	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	41	43	52	0	55	45	56	53	0	43	42	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	42	51	0	57	48	59	57	0	45	44	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	41	48	0	53	45	56	54	0	45	44	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	40	52	50	0	45	44	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	42	53	51	0	45	44	32	62	56	55	0	0	0	0	0	0	0	0

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation

Title : Monthly Contribution (Mitigated Scenario)

Table 30 - Noise Contribution from Sources at Jan 2013

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	53	0	62	0	48	45	43	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	56	0	58	0	52	48	45	44	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	59	0	53	0	62	58	52	48	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	42	0	41	0	65	72	49	42	37	0	36	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	42	0	0	0	45	48	50	54	58	0	53	39	50	49	0	40	40	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	41	42	44	53	0	58	43	54	53	0	42	41	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	41	43	52	0	58	45	56	55	0	43	42	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	42	51	0	60	48	59	58	0	45	44	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	41	48	0	56	45	56	55	0	45	44	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	51	40	52	51	0	45	44	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	53	42	53	52	0	45	44	32	62	56	55	0	0	0	0	0	0	0	0

Table 31 - Noise Contribution from Sources at Feb 2013

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	53	0	62	0	48	45	43	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	56	0	58	0	52	48	45	44	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	59	0	53	0	62	58	52	48	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	42	0	41	0	65	72	49	42	37	0	36	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	42	0	0	0	45	48	50	54	58	0	53	39	50	49	0	40	40	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	41	42	44	53	0	58	43	54	53	0	42	41	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	41	43	52	0	58	45	56	55	0	43	42	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	42	51	0	60	48	59	58	0	45	44	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	41	48	0	56	45	56	55	0	45	44	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	51	40	52	51	0	45	44	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	53	42	53	52	0	45	44	32	62	56	55	0	0	0	0	0	0	0	0

Table 32 - Noise Contribution from Sources at March 2013

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	53	0	62	0	0	45	43	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	56	0	58	0	0	48	45	44	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	59	0	53	0	0	58	52	48	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	42	0	41	0	0	72	49	42	37	0	36	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	42	0	0	0	0	48	50	54	58	0	53	0	50	49	0	40	45	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	41	42	44	53	0	58	0	54	53	0	42	46	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	41	43	52	0	58	0	56	55	0	43	47	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	42	51	0	60	0	59	58	0	45	49	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	41	48	0	56	0	56	55	0	45	49	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	51	0	52	51	0	45	49	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	53	0	53	52	0	45	50	32	62	56	55	0	0	0	0	0	0	0	0

Table 33 - Noise Contribution from Sources at Apr 2013

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	53	0	62	0	0	45	43	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	56	0	58	0	0	48	45	44	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	59	0	53	0	0	58	52	48	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	42	0	41	0	0	72	49	42	37	0	36	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	42	0	0	0	0	48	50	54	58	0	53	0	39	49	0	40	45	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	41	42	44	53	0	58	0	43	53	0	42	46	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	41	43	52	0	58	0	45	55	0	43	47	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	42	51	0	60	0	48	58	0	45	49	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	41	48	0	56	0	45	55	0	45	49	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	51	0	40	51	0	45	49	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	53	0	42	52	0	45	50	32	62	56	55	0	0	0	0	0	0	0	0

Table 34 - Noise Contribution from Sources at May 2013

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	53	0	62	0	0	45	43	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	56	0	58	0	0	48	45	44	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	59	0	53	0	0	58	52	48	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	42	0	41	0	0	72	49	42	37	0	36	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	42	0	0	0	0	48	50	54	58	0	53	0	39	49	0	37	44	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	41	42	44	53	0	58	0	43	53	0	39	45	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	41	43	52	0	58	0	45	55	0	40	46	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	42	51	0	60	0	48	58	0	42	49	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	41	48	0	56	0	45	55	0	42	48	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	51	0	40	51	0	42	48	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	53	0	42	52	0	42	49	32	62	56	55	0	0	0	0	0	0	0	0

Table 35 - Noise Contribution from Sources at June 2013

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	53	0	62	0	0	0	43	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	56	0	58	0	0	0	45	44	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	59	0	53	0	0	0	52	48	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	42	0	41	0	0	0	49	42	37	0	36	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	42	0	0	0	0	0	50	54	58	0	53	0	39	49	0	0	44	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	42	44	53	0	58	0	43	53	0	0	45	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	41	43	52	0	58	0	45	55	0	0	46	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	42	51	0	60	0	48	58	0	0	48	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	41	48	0	56	0	45	55	0	0	48	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	51	0	40	51	0	0	47	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	53	0	42	52	0	0	48	32	62	56	55	0	0	0	0	0	0	0	0

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Monthly Contribution (Mitigated Scenario)

Table 36 - Noise Contribution from Sources at July 2013

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	53	0	57	0	0	0	43	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	56	0	54	0	0	0	45	44	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	59	0	48	0	0	0	52	48	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	42	0	36	0	0	0	43	42	37	0	36	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	42	0	0	0	0	0	50	54	58	0	53	0	39	43	0	0	44	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	42	44	53	0	58	0	43	53	0	0	45	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	41	43	52	0	58	0	45	55	0	0	46	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	42	51	0	60	0	48	58	0	0	48	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	41	48	0	56	0	45	55	0	0	48	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	51	0	40	51	0	0	47	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	53	0	42	52	0	0	48	32	62	56	55	0	0	0	0	0	0	0	0

Table 37 - Noise Contribution from Sources at Aug 2013

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	53	0	57	0	0	0	43	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	56	0	54	0	0	0	45	44	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	59	0	48	0	0	0	52	48	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	42	0	36	0	0	0	49	42	37	0	36	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	42	0	0	0	0	0	50	54	58	0	53	39	39	44	0	0	44	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	42	44	53	0	58	43	43	48	0	0	45	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	41	43	52	0	58	45	45	50	0	0	46	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	42	51	0	60	48	48	53	0	0	48	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	41	48	0	56	44	45	50	0	0	48	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	51	40	40	46	0	0	47	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	53	41	42	47	0	0	48	32	62	56	55	0	0	0	0	0	0	0	0

Table 38 - Noise Contribution from Sources at Sept 2013

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	53	0	57	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	56	0	54	0	0	0	0	44	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	59	0	48	0	0	0	0	48	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	42	0	36	0	0	0	0	42	37	0	36	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	42	0	0	0	0	0	0	54	58	0	53	39	39	44	0	0	44	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	44	53	0	58	43	43	48	0	0	45	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	43	52	0	58	45	45	50	0	0	46	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	42	51	0	60	48	48	53	0	0	48	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	41	48	0	56	44	45	50	0	0	48	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	51	40	40	46	0	0	47	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	53	41	42	47	0	0	48	32	62	56	55	0	0	0	0	0	0	0	0

Table 39 - Noise Contribution from Sources at Oct 2013

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	56	0	59	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	58	0	55	0	0	0	0	44	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	62	0	50	0	0	0	0	48	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	45	0	38	0	0	0	0	42	40	0	36	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	45	0	0	0	0	0	0	54	61	0	53	39	39	44	44	0	44	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	44	56	0	58	43	43	48	46	0	45	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	43	55	0	58	45	45	50	47	0	46	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	42	54	0	60	48	48	53	50	0	48	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	41	51	0	56	44	45	50	48	0	48	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	47	0	51	40	40	46	47	0	47	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	48	0	53	41	42	47	48	0	48	32	62	56	55	0	0	0	0	0	0	0	0

Table 40 - Noise Contribution from Sources at Nov 2013

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	56	0	59	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	58	0	55	0	0	0	0	44	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	62	0	50	0	0	0	0	48	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	45	0	38	0	0	0	0	42	40	0	36	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	45	0	0	0	0	0	0	54	61	0	53	0	39	44	44	0	0	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	44	56	0	58	0	43	48	46	0	0	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	43	55	0	58	0	45	50	47	0	0	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	42	54	0	60	0	48	53	50	0	0	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	41	51	0	56	0	45	50	48	0	0	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	47	0	51	0	40	46	47	0	0	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	48	0	53	0	42	47	48	0	0	32	62	55	55	0	0	0	0	0	0	0	0

Table 41 - Noise Contribution from Sources at Dec 2013

	Work Site																													
NSRs	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	56	0	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	58	0	55	0	0	0	0	0	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	62	0	50	0	0	0	0	0	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	45	0	38	0	0	0	0	0	40	0	36	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	45	0	0	0	0	0	0	0	61	0	53	0	39	44	44	0	0	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	56	0	58	0	43	48	46	0	0	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	55	0	58	0	45	50	47	0	0	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	54	0	60	0	48	53	50	0	0	37	61	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	51	0	56	0	45	50	48	0	0	34	62	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	47	0	51	0	40	46	47	0	0	31	63	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	49	0	53	0	42	47	48	0	0	32	62	56	55	0	0	0	0	0	0	0	0

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Monthly Contribution (Mitigated Scenario)

Table 42 - Noise Contribution from Sources at Jan 2014

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	56	0	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	58	0	55	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	62	0	50	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	45	0	38	0	0	0	0	0	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	45	0	0	0	0	0	0	0	58	0	51	0	0	44	44	39	0	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	53	0	55	0	0	48	46	41	0	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	52	0	55	0	0	50	47	42	0	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	51	0	57	0	0	53	50	44	0	37	58	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	48	0	53	0	0	50	48	44	0	34	59	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	0	0	46	47	44	0	31	60	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	0	0	47	48	44	0	32	60	56	55	0	0	0	0	0	0	0	0

Table 43 - Noise Contribution from Sources at Feb 2014

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	56	0	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	58	0	55	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	62	0	50	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	45	0	38	0	0	0	0	0	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	45	0	0	0	0	0	0	0	58	0	51	0	0	44	44	39	0	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	53	0	55	0	0	48	46	41	0	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	52	0	55	0	0	50	47	42	0	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	51	0	57	0	0	53	50	44	0	37	58	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	48	0	53	0	0	50	48	44	0	34	59	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	0	0	46	47	44	0	31	60	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	0	0	47	48	44	0	32	60	56	55	0	0	0	0	0	0	0	0

Table 44 - Noise Contribution from Sources at March 2014

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	56	0	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	58	0	53	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	62	0	48	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	45	0	36	0	0	0	0	0	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	45	0	0	0	0	0	0	0	58	0	51	0	0	44	44	39	0	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	53	0	55	0	0	48	46	41	0	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	52	0	55	0	0	50	47	42	0	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	51	0	57	0	0	53	50	44	0	37	58	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	48	0	53	0	0	50	48	44	0	34	59	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	0	0	46	47	44	0	31	60	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	0	0	47	48	44	0	32	60	56	55	0	0	0	0	0	0	0	0

Table 45 - Noise Contribution from Sources at Apr 2014

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	56	0	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	58	0	53	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	62	0	48	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	45	0	36	0	0	0	0	0	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	45	0	0	0	0	0	0	0	58	0	51	0	0	44	44	39	0	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	53	0	55	0	0	48	46	41	0	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	52	0	55	0	0	50	47	42	0	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	51	0	57	0	0	53	50	44	0	37	58	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	48	0	53	0	0	50	48	44	0	34	59	58	55	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	0	0	46	47	44	0	31	60	55	55	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	0	0	47	48	44	0	32	60	56	55	0	0	0	0	0	0	0	0

Table 46 - Noise Contribution from Sources at May 2014

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	56	0	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	58	0	53	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	62	0	48	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	45	0	36	0	0	0	0	0	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	45	0	0	0	0	0	0	0	58	0	51	0	0	44	44	39	0	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	53	0	55	0	0	48	46	41	0	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	52	0	55	0	0	50	47	42	0	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	51	0	57	0	0	53	50	44	0	37	58	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	48	0	53	0	0	50	48	44	0	34	59	58	56	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	0	0	46	47	44	0	31	60	55	56	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	0	0	47	48	44	0	32	60	56	56	0	0	0	0	0	0	0	0

Table 47 - Noise Contribution from Sources at June 2014

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	56	0	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	58	0	53	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	62	0	48	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	45	0	36	0	0	0	0	0	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	45	0	0	0	0	0	0	0	58	0	51	0	0	44	44	39	0	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	53	0	55	0	0	48	46	41	0	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	52	0	55	0	0	50	47	42	0	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	51	0	57	0	0	53	50	44	0	37	58	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	48	0	53	0	0	50	48	44	0	34	59	58	56	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	0	0	46	47	44	0	31	60	55	56	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	0	0	47	48	44	0	32	60	56	56	0	0	0	0	0	0	0	0

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Monthly Contribution (Mitigated Scenario)

Table 48 - Noise Contribution from Sources at July 2014

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	56	0	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	58	0	53	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	62	0	48	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	45	0	36	0	0	0	0	0	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	45	0	0	0	0	0	0	0	58	0	51	0	0	44	44	39	0	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	53	0	55	0	0	48	46	41	0	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	52	0	55	0	0	50	47	42	0	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	51	0	57	0	0	53	50	44	0	37	58	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	48	0	53	0	0	50	48	44	0	34	59	58	56	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	0	0	46	47	44	0	31	60	55	56	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	0	0	47	48	44	0	32	60	56	56	0	0	0	0	0	0	0	0

Table 49 - Noise Contribution from Sources at Aug 2014

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	53	0	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	55	0	50	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	58	0	45	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	42	0	33	0	0	0	0	0	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	42	0	0	0	0	0	0	0	58	0	51	0	0	43	44	39	0	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	53	0	55	0	0	46	46	41	0	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	52	0	55	0	0	48	47	42	0	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	51	0	57	0	0	52	50	44	0	37	58	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	48	0	53	0	0	49	48	44	0	34	59	58	56	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	0	0	45	47	44	0	31	60	55	56	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	0	0	46	48	44	0	32	60	56	56	0	0	0	0	0	0	0	0

Table 50 - Noise Contribution from Sources at Sept 2014

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	53	0	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	55	0	50	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	58	0	45	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	42	0	33	0	0	0	0	0	37	0	33	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	42	0	0	0	0	0	0	0	58	0	51	0	0	43	44	39	0	38	0	55	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	53	0	55	0	0	46	46	41	0	42	0	57	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	52	0	55	0	0	48	47	42	0	40	0	58	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	51	0	57	0	0	52	50	44	0	37	58	60	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	48	0	53	0	0	49	48	44	0	34	59	58	56	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	44	0	48	0	0	45	47	44	0	31	60	55	56	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	45	0	50	0	0	46	48	44	0	32	60	56	56	0	0	0	0	0	0	0	0

Table 51 - Noise Contribution from Sources at Oct 2014

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	56	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	56	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	56	0	0	0	0	0	0	0	0

Table 52 - Noise Contribution from Sources at Nov 2014

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	49	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	50	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	49	0	0	0	0	0	0	0	0

Table 53 - Noise Contribution from Sources at Dec 2014

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	49	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	50	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	49	0	0	0	0	0	0	0	0

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Monthly Contribution (Mitigated Scenario)

Table 54 - Noise Contribution from Sources at Jan 2015

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	49	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	50	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	49	0	0	0	0	0	0	0	0

Table 55 - Noise Contribution from Sources at Feb 2015

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	49	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	50	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	49	0	0	0	0	0	0	0	0

Table 56 - Noise Contribution from Sources at March 2015

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	49	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	50	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	49	0	0	0	0	0	0	0	0

Table 57 - Noise Contribution from Sources at Apr 2015

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	49	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	50	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	49	0	0	0	0	0	0	0	0

Table 58 - Noise Contribution from Sources at May 2015

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	49	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	50	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	49	0	0	0	0	0	0	0	0

Table 59 - Noise Contribution from Sources at June 2015

NSRs	Work Site																													
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	49	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	50	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	49	0	0	0	0	0	0	0	0

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Monthly Contribution (Mitigated Scenario)

Table 60 - Noise Contribution from Sources at July 2015

NSRs	Work Site																												
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	49	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	50	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	49	0	0	0	0	0	0	0	0

Table 61 - Noise Contribution from Sources at Aug 2015

NSRs	Work Site																												
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	49	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	50	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	49	0	0	0	0	0	0	0	0

Table 62 - Noise Contribution from Sources at Sept 2015

NSRs	Work Site																												
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	49	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	50	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	49	0	0	0	0	0	0	0	0

Table 63 - Noise Contribution from Sources at Oct 2015

NSRs	Work Site																												
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	49	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	50	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	49	0	0	0	0	0	0	0	0

Table 64 - Noise Contribution from Sources at Nov 2015

NSRs	Work Site																												
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	49	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	50	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	49	0	0	0	0	0	0	0	0

Table 65 - Noise Contribution from Sources at Dec 2015

NSRs	Work Site																												
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	49	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	50	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	49	0	0	0	0	0	0	0	0

Prject : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Monthly Contribution (Mitigated Scenario)

Table 66 - Noise Contribution from Sources at Jan 2016

NSRs	Work Site S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0

Table 67 - Noise Contribution from Sources at Feb 2016

NSRs	Work Site S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0
																						49								

Table 68 - Noise Contribution from Sources at March 2016

NSRs	Work Site S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0

Table 69 - Noise Contribution from Sources at Apr 2016

NSRs	Work Site S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0

Table 70 - Noise Contribution from Sources at May 2016

NSRs	Work Site S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0
																						49								

Table 71 - Noise Contribution from Sources at June 2016

NSRs	Work Site S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 - LeBleu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0
147 - Caribbean Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0
149 - Ho Yu College (Sik Sik Yuen)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0

APPENDIX 6J

Predicted Construction Noise Impacts – Mitigated Scenario

Project : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Construction Noise Calculation
Scenario : Mitigated Scenario

Activities	2010					2011												2012												2013											
	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
S1 - Contract Package I (Site Preparation & Mobilization)																																									
Site Preparation & Mobilization										122	122																														
S2 - Contract Package I (Portion I-a)																																									
Piles Contruction												104	104	104	104	104	104	104	104	104																					
Pilecaps Construction												109	109	109	109	109	109	109	109	109																					
Pier Construction												112	112	112	112	112	112	112	112	112																					
Construction of Bridge Deck																					116	116	116	116																	
Erection of Bridge Deck Travellers / Lunching Gantries																		110	110	110																					
Bridge Roadworks and Installation Services																										115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
TCSS: Installation and Testing																																							115	115	115
S3 - Contract Package I (Portion I-b)																																									
Piles Construction																					104	104	104	104	104	104	104	104	104												
Pilecaps Construction																					112	112	112	112	112	112	112	112	112												
Pier Construction																					112	112	112	112	112	112	112	112	112												
Construction of Bridge Deck																									116	116	116	116													
S4 - Contract Package I (Portion I-c)																																									
Piles Construction												110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110						
Pilecaps Construction												118	118	118	118	118	118	115	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118						
Pier Construction												119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119						
Construction of Bridge Deck																					116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116
Erection of Bridge Deck Travellers / Lunching Gantries																		110	110	110																					
Bridge Roadworks and Installation Services																										115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
TCSS: Installation and Testing																																							115	115	115
S5 - Contract Package II (Site Preparation & Mobilization)																																									
Site Preparation & Mobilization										122	122																														
S6 - Contract Package II (Portion II-a)																																									
Piles Construction												104	104	104	104	104																									
Pilecaps Construction												109	109	109	109	109																									
Pier Construction												112	112	112	112	112																									
Construction of Bridge Deck																	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116										
Erection of Bridge Deck Travellers / Lunching Gantries																			110	110	110																				
Bridge Roadworks and Installation Services																							115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
TCSS: Installation and Testing																																							115	115	115
S7 - Contract Package II (Portion II-b)																																									
Piles Construction															104	104	104	104	104																						
Pilecaps Construction															109	109	109	109	109																						
Pier Construction															112	112	112	112	112																						
Construction of Bridge Deck																				116	116	116	116	116	116	116	116	116	116	116	116	116	116	116							
S8 - Contract Package II (Portion II-c)																																									
Piles Construction																		104	104	104	104	104																			
Pilecaps Construction																		109	109	109	109	109																			
Pier Construction																		112	112	112	112	112																			
Construction of Bridge Deck																							116	116	116	116	116	116	116	116	116	116	116	116	116	116	116				
S9 - Contract Package II (Portion II-d)																																									
Piles Construction																					104	104	104	104	104																
Pilecaps Construction																					109	109	109	109	109																
Pier Construction																					112	112	112	112	112																
Construction of Bridge Deck																										116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	
S10 - Contract Package II (portion II-e)																																									
Piles Construction												104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
Pilecaps Construction												112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112
Pier Construction												112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112
Construction of Bridge Deck																		116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116
Erection of Bridge Deck Travellers / Lunching Gantries																			110	110	110																				
Bridge Roadworks and Installation Services																							115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
TCSS: Installation and Testing																																							115	115	115
S11 - Contract Package III (Site Preparation & Mobilization)																																									
Site Preparation & Mobilization						120	120	120																																	
S12 - Contract Package III (Tunnel Construction at Scenic Hill)																																									
Preparatory Works									119	119	119	119																													
Tunnel Excavation & Internal Structure Constn													117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117
Portal & Ventilation Building at Scenic Hill																														112	112	112	112	112	112	112	112	112	112	112	112
Roads, TCSS & E&M Works inside Whole Tunnel																														116	116	116	116	116	116	116	116	116	116	116	116

Project : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Construction Noise Calculation
Scenario : Mitigated Scenario

Activities	2010					2011												2012												2013											
	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
S13 - Contract Package III (Tunnel Construction at Airport Road)																																									
Sheet Piling Installation									97	97	97	97	97	97																											
Earthwork Excavation													120	120	120	120	120	120																							
Tunnel Box Construction																	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109										
Backfilling																																111	111	111	111	111					
Pavemen Reinstatement of Airport Road																																					109	109	109		
S14 - Contract Package III (Tunnel Construction under Airport Express Line)																																									
Construction of Shaft for Horizontal Pipe Piles Eqpt									117	117	117	117	117	117																											
Horizontal Pipe-Pile Jacking															116	116	116	116	116	116	116	116	116	116	116	116															
Tunnel Excavation																					120	120	120	120	120	120	120	120	120	120	120	120									
Tunnel Box Construction																											109	109	109	109	109	109	109	109	109	109	109	109	109	109	109
S15 - Contract Package III (Tunnel Construction on Reclamation)																																									
Sheet Piling Installation																												116	116	116											
Earthwork Excavation																															116	116	116	116	116	116					
Tunnel Box Construction																																					109	109	109	109	109
Backfilling																																									
Roadworks, TCSS & E&M Works inside Whole Tunnel																														113	113	113	113	113	113	113	113	113	113	113	113
S16 - Reclamation for Portion I																																									
Dredging seawall							117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117																		
Placing Seawall Core												111	111	111	111	111	111	111	111	111																					
Placing Sea armour rock															111	111	111	111	111	111	111																				
Filling & surcharging																			117	117	117	117	117	117	117	117	117	117	117	117	117	117									
Remove Subcharge																																	116	116	116						
Construction of at-grade Road																																				113	113	113	113	113	113
Landscaping Works																																									
TCSS. Installation and Testing																																							115	115	115
S17 - Reclamation for Portion II																																									
Dredging seawall																				117	117	117	117	117	117	117															
Placing Seawall Core																									111	111	111	111	111	111	111	111	111								
Placing Sea armour rock																												111	111	111	111	111	111	111							
Filling & surcharging																																117	117	117	117	117	117	117	117		
Remove Subcharge																																								116	116
Construction of at-grade Road																																									
S18 - Construction for Portion III																																									
Dredging seawall																				117	117	117	117	117	117	117															
Placing Seawall Core																									111	111	111	111	111	111	111	111	111								
Placing Sea armour rock																												111	111	111	111	111	111	111							
Filling & surcharging																																117	117	117	117	117	117	117	117		
Remove & Surcharge																																								116	116
Construction of at-grade Road																																									
Landscaping Works																																									
TCSS: Installation and Testing																																							112	112	112
S19 - Works Area WA1																																									
Barging Point for Construction	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102
S20 - HKBCF Phase 1																																									
Site Preparation & Mobilization	121	121																																							
Reclamation Works		131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131
Buildings & Roads on HKBCF										130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130
APM Construction		126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126
S21 - Roadlink with Airport																																									
Roadlink with Airport																		125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125
S22 - HKBCF Phase 2																																									
Reclamation Works													129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
Buildings & Roads on HKBCF																																									

Summary of SWLs

S1 - Contract Package I (Site Preparation & Mobilization)	0	0	0	0	0	0	0	0	0	122	122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2 - Contract Package I (Portion I-a)	0	0	0	0	0	0	0	0	0	0	0	114	114	114	114	114	114	115	115	115	116	116	116	116	0	115	115	115	115	115	115	115	115	115	115	115	115	115	118	118	118
S3 - Contract Package I (Portion I-b)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	115	115	115	115	118	118	118	118	115	0	0	0	0	0	0	0	0	0	0	0	0
S4 - Contract Package I (Portion I-c)	0	0	0	0	0	0	0	0	0	0	0	121	121	121	121	121	121	122	122	122	122	122	122	122	122	123	123	123	123	123	123	123	123	123	123	119	119	119	120	120	120
S5 - Contract Package II (Site Preparation & Mobilization)	0	0	0	0	0	0	0	0	0	122	122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6 - Contract Package II (Portion II-a)	0	0	0	0	0	0	0	0	0	0	0	114	114	114	114	114	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	0	0	0	0	0	0	0	0	0	0
S7 - Contract Package II (Portion II-b)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	114	114	114	114	114	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	0	0	0	0	0	0	0
S8 - Contract Package II (Portion II-c)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	114	114	114	114	114	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	0	0	0	0
S9 - Contract Package II (Portion II-d)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	114	114	114	114	114	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	0
S10 - Contract Package II (portion II-e)	0	0	0	0	0	0	0	0	0	0	0	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	118	118	118
S11 - Contract Package III (Site Preparation & Mobilization)	0	0	0	0	0	120	120	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S12 - Contract Package III (Tunnel Construction at Scenic Hill)	0	0	0	0	0	0	0	0	119	119	119	119	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	120	120	120	120	120	120	120	120	120	120	120	120
S13 - Contract Package III (Tunnel Construction at Airport Road)	0	0	0	0	0	0	0	0	97	97	97	97	120	120	120	120	121	121	109	109	109	109	109	109	109	109	109	109	109	109	109	0	0	0	0	0	109	109	109	0	0
S14 - Contract Package III (Tunnel Construction under Airport Express Line)	0	0	0	0	0	0	0	0	117	117	117	117	117	117	116	116	116	116	116	116	122	122	122	122	122	122	120	120	120	120	120	120	109	109	109	109	109	109	109	109	109

Project : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Construction Noise Calculation
Scenario : Mitigated Scenario

Activities	2010					2011											
	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
S15 - Contract Package III (Tunnel Construction on Reclamation)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S16 - Reclamation for Portion I	0	0	0	0	0	0	117	117	117	117	117	118	118	118	119	119	119
S17 - Reclamation for Portion II	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S18 - Construction for Portion III	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S19 - Works Area WA1	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102
S20 - HKBCF Phase 1	121	132	132	132	132	132	132	132	132	134	134	134	134	134	134	134	134
S21 - Roadlink with Airport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S22 - HKBCF Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	129	129	129	129	129

Activities	2012												2013											
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
S15 - Contract Package III (Tunnel Construction on Reclamation)	0	0	0	0	0	0	0	0	0	0	118	118	120	120	120	120	120	120	120	115	115	115	115	115
S16 - Reclamation for Portion I	119	119	119	118	117	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	115	115	115
S17 - Reclamation for Portion II	0	0	117	117	117	117	117	118	118	111	114	114	114	114	114	114	111	0	0	0	0	0	0	0
S18 - Construction for Portion III	0	0	117	117	117	117	117	118	118	111	114	114	114	114	119	119	118	117	117	117	117	117	0	0
S19 - Works Area WA1	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102
S20 - HKBCF Phase 1	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134
S21 - Roadlink with Airport	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125
S22 - HKBCF Phase 2	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129

Predicted Construction Noise, dB(A)	Max	Aug 2010	Sept 2010	Oct 2010	Nov 2010	Dec 2010	Jan 2011	Feb 2011	March 2011	Apr 2011	May 2011	June 2011	July 2011	Aug 2011	Sept 2011	Oct 2011	Nov 2011	Dec 2011
101 - San Shek Wan	64	0	0	0	0	0	0	0	0	0	0	0	61	61	61	61	61	61
102 - San Shek Wan	63	0	0	0	0	0	0	0	0	0	0	0	59	59	59	59	59	60
103 - Sha Lo Wan Chung Hau	66	0	0	0	0	0	0	0	0	0	49	49	63	63	63	64	64	65
104 - Sha Lo Wan Chung Hau	72	20	20	20	20	20	20	20	20	35	49	49	63	63	63	71	71	71
105 - Tin Sum	65	38	38	38	38	38	51	52	52	54	65	65	60	60	60	60	60	60
106 - Ma Wan Chung	63	42	42	42	42	42	55	56	56	58	63	63	59	60	60	60	60	60
113 - Tung Chung Crescent	64	40	40	40	40	40	58	58	58	59	63	63	60	61	61	61	61	61
126 - Seaview Crescent	67	49	59	59	59	59	63	63	63	63	65	65	64	65	65	65	65	65
136 - LeBleu	66	49	60	60	60	60	61	62	62	62	64	64	63	64	64	64	64	64
147 - Caribbean Coast	65	50	61	61	61	61	61	61	61	62	64	64	63	64	64	64	64	64
149 - Ho Yu College (Sik Sik Yuen)	65	50	61	60	60	60	61	61	61	61	64	64	63	64	64	64	64	64

Predicted Construction Noise, dB(A)	Jan 2012	Feb 2012	March 2012	Apr 2012	May 2012	June 2012	July 2012	Aug 2012	Sept 2012	Oct 2012	Nov 2012	Dec 2012	Jan 2013	Feb 2013	March 2013	Apr 2013	May 2013	June 2013	July 2013	Aug 2013	Sept 2013	Oct 2013	Nov 2013	Dec 2013
101 - San Shek Wan	61	61	61	63	63	63	63	63	64	64	64	63	63	63	62	62	62	62	59	59	59	61	61	61
102 - San Shek Wan	60	60	60	62	62	62	62	62	63	63	63	62	61	61	61	61	61	60	58	58	58	60	60	60
103 - Sha Lo Wan Chung Hau	65	65	65	66	66	66	66	65	66	66	66	66	66	66	63	63	63	61	60	60	60	62	62	62
104 - Sha Lo Wan Chung Hau	71	71	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	51	51	51	47	49	49	47
105 - Tin Sum	62	61	61	62	62	62	62	62	62	62	62	62	63	63	63	62	62	62	62	62	62	63	63	63
106 - Ma Wan Chung	62	61	61	62	62	62	62	62	62	61	62	62	63	63	63	62	62	62	62	62	62	62	62	62
113 - Tung Chung Crescent	63	62	62	63	63	63	63	63	63	62	63	63	64	64	64	63	63	63	63	62	62	63	63	63
126 - Seaview Crescent	67	66	66	67	67	67	66	66	66	66	66	66	67	67	67	66	66	66	66	66	66	66	66	66
136 - LeBleu	65	65	65	65	65	65	65	65	65	65	65	65	66	66	66	65	65	65	65	65	65	65	65	65
147 - Caribbean Coast	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
149 - Ho Yu College (Sik Sik Yuen)	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65

Project : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Construction Noise Calculation
Scenario : Mitigated Scenario

Activities	2014												2015												2016					
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June
S1 - Contract Package I (Site Preparation & Mobilization)																														
Site Preparation & Mobilization																														
S2 - Contract Package I (Portion I-a)																														
Piles Contruction																														
Pilecaps Construction																														
Pier Construction																														
Construction of Bridge Deck																														
Erection of Bridge Deck Travellers / Lunching Gantries																														
Bridge Roadworks and Installation Services	115	115	115	115	115	115	115																							
TCSS: Installation and Testing	115	115	115	115	115	115	115	115	115																					
S3 - Contract Package I (Portion I-b)																														
Piles Construction																														
Pilecaps Construction																														
Pier Construction																														
Construction of Bridge Deck																														
S4 - Contract Package I (Portion I-c)																														
Piles Construction																														
Pilecaps Construction																														
Pier Construction																														
Construction of Bridge Deck	116	116																												
Erection of Bridge Deck Travellers / Lunching Gantries																														
Bridge Roadworks and Installation Services	115	115	115	115	115	115	115																							
TCSS: Installation and Testing	115	115	115	115	115	115	115	115	115																					
S5 - Contract Package II (Site Preparation & Mobilization)																														
Site Preparation & Mobilization																														
S6 - Contract Package II (Portion II-a)																														
Piles Construction																														
Pilecaps Construction																														
Pier Construction																														
Construction of Bridge Deck																														
Erection of Bridge Travellers / Lunching Gantries																														
Bridge Roadworks and Installation Services	115	115	115	115	115	115	115																							
TCSS: Installation and Testing	115	115	115	115	115	115	115	115	115																					
S7 - Contract Package II (Portion II-b)																														
Piles Construction																														
Pilecaps Construction																														
Pier Construction																														
Construction of Bridge Deck																														
S8 - Contract Package II (Portion II-c)																														
Piles Construction																														
Pilecaps Construction																														
Pier Construction																														
Construction of Bridge Deck																														
S9 - Contract Package II (Portion II-d)																														
Piles Construction																														
Pilecaps Construction																														
Pier Construction																														
Construction of Bridge Deck																														
S10 - Contract Package II (portion II-e)																														
Piles Construction																														
Pilecaps Construction																														
Pier Construction																														
Construction of Bridge Deck	116	116																												
Erection of Bridge Travellers / Lunching Gantries																														
Bridge Roadworks and Installation Services	115	115	115	115	115	115	115																							
TCSS: Installation and Testing	115	115	115	115	115	115	115	115	115																					
S11 - Contract Package III (Site Preparation & Mobilization)																														
Site Preparation & Mobilization																														
S12 - Contract Package III (Tunnel Construction at Scenic Hill)																														
Preparatory Works																														
Tunnel Excavation & Internal Structure Constn																														
Portal & Ventilation Building at Scenic Hill	112	112	112	112	112	112	112	112	112																					
Roads, TCSS & E&M Works inside Whole Tunnel	116	116	116	116	116	116	116	116	116																					

Project : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Construction Noise Calculation
Scenario : Mitigated Scenario

Activities	2014												2015												2016					
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June
S13 - Contract Package III (Tunnel Construction at Airport Road)																														
Sheet Piling Installation																														
Earthwork Excavation																														
Tunnel Box Construction																														
Backfilling																														
Pavemen Reinstatement of Airport Road																														
S14 - Contract Package III (Tunnel Construction under Airport Express Line)																														
Construction of Shaft for Horizontal Pipe Piles Eqpt																														
Horizontal Pipe-Pile Jacking																														
Tunnel Excavation																														
Tunnel Box Construction																														
S15 - Contract Package III (Tunnel Construction on Reclamation)																														
Sheet Piling Installation																														
Earthwork Excavation																														
Tunnel Box Construction	109	109	109	109	109	109	109																							
Backfilling		111	111	111	111	111	111																							
Roadworks, TCSS & E&M Works inside Whole Tunnel	113	113	113	113	113	113	113	113	113																					
S16 - Reclamation for Portion I																														
Dredging seawall																														
Placing Seawall Core																														
Placing Sea armour rock																														
Filling & surcharging																														
Remove Subcharge																														
Construction of at-grade Road	113	113	113	113	113	113	113	113	113																					
Landscaping Works	113	113	113	113	113	113	113	113	113																					
TCSS: Installation and Testing	115	115	115	115	115	115	115	115	115																					
S17 - Reclamation for Portion II																														
Dredging seawall																														
Placing Seawall Core																														
Placing Sea armour rock																														
Filling & surcharging																														
Remove Subcharge																														
Construction of at-grade Road	113	113	113	113	113	113	113	113	113																					
S18 - Construction for Portion III																														
Dredging seawall																														
Placing Seawall Core																														
Placing Sea armour rock																														
Filling & surcharging																														
Remove & Surcharge																														
Construction of at-grade Road	113	113	113	113	113	113	113	113	113																					
Landscaping Works	113	113	113	113	113	113	113	113	113																					
TCSS: Installation and Testing	112	112	112	112	112	112	112	112	112																					
S19 - Works Area WA1																														
Barging Point for Construction	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102						
S20 - HKBCF Phase 1																														
Site Preparation & Mobilization																														
Reclamation Works																														
Buildings & Roads on HKBCF	130	130	130	130	130	130	130	130	130																					
APM Construction	126	126	126	126	126	126	126	126	126																					
S21 - Roadlink with Airport																														
Roadlink with Airport	125	125	125	125	125	125	125	125	125																					
S22 - HKBCF Phase 2																														
Reclamation Works	129	129	129	129	129	129	129	129	129	129																				
Buildings & Roads on HKBCF					123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123

Summary of SWLs

S1 - Contract Package I (Site Preparation & Mobilization)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2 - Contract Package I (Portion I-a)	118	118	118	118	118	118	118	115	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3 - Contract Package I (Portion I-b)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4 - Contract Package I (Portion I-c)	120	120	118	118	118	118	118	115	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5 - Contract Package II (Site Preparation & Mobilization)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6 - Contract Package II (Portion II-a)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S7 - Contract Package II (Portion II-b)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S8 - Contract Package II (Portion II-c)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S9 - Contract Package II (Portion II-d)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S10 - Contract Package II (portion II-e)	115	115	115	115	115	115	115	115	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S11 - Contract Package III (Site Preparation & Mobilization)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S12 - Contract Package III (Tunnel Construction at Scenic Hill)	117	117	117	117	117	117	117	117	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S13 - Contract Package III (Tunnel Construction at Airport Road)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S14 - Contract Package III (Tunnel Construction under Airport Express Line)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Project : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Construction Noise Calculation
Scenario : Mitigated Scenario

Activities		2014											
		Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
S15 - Contract Package III (Tunnel Construction on Reclamation)		115	115	115	115	115	115	115	113	113	0	0	0
S16 - Reclamation for Portion I		115	115	115	115	115	115	115	115	115	0	0	0
S17 - Reclamation for Portion II		113	113	113	113	113	113	113	113	113	0	0	0
S18 - Construction for Portion III		0	0	0	0	0	0	0	0	0	0	0	0
S19 - Works Area WA1		102	102	102	102	102	102	102	102	102	102	102	102
S20 - HKBCF Phase 1		131	131	131	131	131	131	131	131	131	0	0	0
S21 - Roadlink with Airport		125	125	125	125	125	125	125	125	125	0	0	0
S22 - HKBCF Phase 2		129	129	129	129	130	130	130	130	130	130	123	123
Predicted Construction Noise, dB(A)	Max												
101 - San Shek Wan	64	61	61	60	60	60	60	60	56	56	0	0	0
102 - San Shek Wan	63	60	60	60	60	60	60	60	57	57	0	0	0
103 - Sha Lo Wan Chung Hau	66	62	62	62	62	62	62	62	59	59	0	0	0
104 - Sha Lo Wan Chung Hau	72	47	47	46	46	46	46	46	44	44	20	20	20
105 - Tin Sum	65	61	61	61	61	61	61	61	61	61	38	38	38
106 - Ma Wan Chung	63	60	60	60	60	60	60	60	60	60	42	42	42
113 - Tung Chung Crescent	64	61	61	61	61	61	61	61	61	61	40	40	40
126 - Seaview Crescent	67	64	64	64	64	64	64	64	64	64	37	37	37
135 - LeBleu	66	63	63	63	63	64	64	64	64	64	56	49	49
147 - Caribbean Coast	65	63	63	63	63	63	63	63	63	63	56	50	50
149 - Ho Yu College (Sik Sik Yuen)	65	63	63	63	63	63	63	63	63	63	56	49	49

Activities	2015											
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
S15 - Contract Package III (Tunnel Construction on Reclamation)	0	0	0	0	0	0	0	0	0	0	0	0
S16 - Reclamation for Portion I	0	0	0	0	0	0	0	0	0	0	0	0
S17 - Reclamation for Portion II	0	0	0	0	0	0	0	0	0	0	0	0
S18 - Construction for Portion III	0	0	0	0	0	0	0	0	0	0	0	0
S19 - Works Area WA1	102	102	102	102	102	102	102	102	102	102	102	102
S20 - HKBCF Phase 1	0	0	0	0	0	0	0	0	0	0	0	0
S21 - Roadlink with Airport	0	0	0	0	0	0	0	0	0	0	0	0
S22 - HKBCF Phase 2	123	123	123	123	123	123	123	123	123	123	123	123
Predicted Construction Noise, dB(A)												
101 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	20	20	20	20	20	20	20	20	20	20	20	20
105 - Tin Sum	38	38	38	38	38	38	38	38	38	38	38	38
106 - Ma Wan Chung	42	42	42	42	42	42	42	42	42	42	42	42
113 - Tung Chung Crescent	40	40	40	40	40	40	40	40	40	40	40	40
126 - Seaview Crescent	37	37	37	37	37	37	37	37	37	37	37	37
135 - LeBleu	49	49	49	49	49	49	49	49	49	49	49	49
147 - Caribbean Coast	50	50	50	50	50	50	50	50	50	50	50	50
149 - Ho Yu College (Sik Sik Yuen)	49	49	49	49	49	49	49	49	49	49	49	49

Activities	2016					
	Jan	Feb	March	Apr	May	June
S15 - Contract Package III (Tunnel Construction on Reclamation)	0	0	0	0	0	0
S16 - Reclamation for Portion I	0	0	0	0	0	0
S17 - Reclamation for Portion II	0	0	0	0	0	0
S18 - Construction for Portion III	0	0	0	0	0	0
S19 - Works Area WA1	0	0	0	0	0	0
S20 - HKBCF Phase 1	0	0	0	0	0	0
S21 - Roadlink with Airport	0	0	0	0	0	0
S22 - HKBCF Phase 2	123	123	123	123	123	123
Predicted Construction Noise, dB(A)						
101 - San Shek Wan	0	0	0	0	0	0
102 - San Shek Wan	0	0	0	0	0	0
103 - Sha Lo Wan Chung Hau	0	0	0	0	0	0
104 - Sha Lo Wan Chung Hau	0	0	0	0	0	0
105 - Tin Sum	0	0	0	0	0	0
106 - Ma Wan Chung	0	0	0	0	0	0
113 - Tung Chung Crescent	0	0	0	0	0	0
126 - Seaview Crescent	0	0	0	0	0	0
135 - LeBleu	49	49	49	49	49	49
147 - Caribbean Coast	50	50	50	50	50	50
149 - Ho Yu College (Sik Sik Yuen)	49	49	49	49	49	49

Project : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title : Construction Noise Calculation
Scenario : Unmitigated Scenario

Activities	2010					2011												2012												2013											
	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
S1 - Contract Package I (Site Preparation & Mobilization)																																									
Site Preparation & Mobilization										123	123																														
S2 - Contract Package I (Portion I-a)																																									
Piles Contruction												104	104	104	104	104	104	104	104	104																					
Pilecaps Construction												115	115	115	115	115	115	115	115	115																					
Pier Construction												121	121	121	121	121	121	121	121	121																					
Construction of Bridge Deck																					123	123	123	123																	
Erection of Bridge Deck Travellers / Lunching Gantries																		112	112	112																					
Bridge Roadworks and Installation Services																										126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126
TCSS: Installation and Testing																																							116	116	116
S3 - Contract Package I (Portion I-b)																																									
Piles Construction																					104	104	104	104	104	104	104	104	104												
Pilecaps Construction																					118	118	118	118	118	118	118	118	118												
Pier Construction																					121	121	121	121	121	121	121	121	121												
Construction of Bridge Deck																									123	123	123	123													
S4 - Contract Package I (Portion I-c)																																									
Piles Construction												110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110						
Pilecaps Construction												124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124						
Pier Construction												128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128						
Construction of Bridge Deck																					123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123
Erection of Bridge Deck Travellers / Lunching Gantries																		112	112	112																					
Bridge Roadworks and Installation Services																										126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126
TCSS: Installation and Testing																																							116	116	116
S5 - Contract Package II (Site Preparation & Mobilization)																																									
Site Preparation & Mobilization										123	123																														
S6 - Contract Package II (Portion II-a)																																									
Piles Construction												104	104	104	104	104																									
Pilecaps Construction												115	115	115	115	115																									
Pier Construction												121	121	121	121	121																									
Construction of Bridge Deck																	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123										
Erection of Bridge Travellers / Lunching Gantries																			112	112	112																				
Bridge Roadworks and Installation Services																							126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126
TCSS: Installation and Testing																																							116	116	116
S7 - Contract Package II (Portion II-b)																																									
Piles Construction															104	104	104	104	104																						
Pilecaps Construction															115	115	115	115	115																						
Pier Construction															121	121	121	121	121																						
Construction of Bridge Deck																				123	123	123	123	123	123	123	123	123	123	123	123	123	123	123							
S8 - Contract Package II (Portion II-c)																																									
Piles Construction																		104	104	104	104	104																			
Pilecaps Construction																		115	115	115	115	115																			
Pier Construction																		121	121	121	121	121																			
Construction of Bridge Deck																							123	123	123	123	123	123	123	123	123	123	123	123	123	123	123				
S9 - Contract Package II (Portion II-d)																																									
Piles Construction																					104	104	104	104	104																
Pilecaps Construction																					115	115	115	115	115																
Pier Construction																					121	121	121	121	121																
Construction of Bridge Deck																										123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	
S10 - Contract Package II (portion II-e)																																									
Piles Construction												104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
Pilecaps Construction												118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118
Pier Construction												121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121
Construction of Bridge Deck																		123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123
Erection of Bridge Travellers / Lunching Gantries																			112	112	112																				
Bridge Roadworks and Installation Services																							126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126
TCSS: Installation and Testing																																							116	116	116
S11 - Contract Package III (Site Preparation & Mobilization)																																									
Site Preparation & Mobilization						122	122	122																																	
S12 - Contract Package III (Tunnel Construction at Scenic Hill)																																									
Preparatory Works									125	125	125	125																													
Tunnel Excavation & Internal Structure Constn													128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
Portal & Ventilation Building at Scenic Hill																														122	122	122	122	122	122	122	122	122	122	122	122
Roads, TCSS & E&M Works inside Whole Tunnel																														119	119	119	119	119	119	119	119	119	119	119	119

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APPENDIX 6K

Extent of Friction Course Materials

A4

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Job Title
Kong-Zuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Investigation

Drawing Title
Extent of Road Sections Paved with Friction Course Materials

ARUP Ove Arup & Partners Hong Kong Limited

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Drn. EL | Date 01/05/09 | Chd. FC | Passed ST

Job No. 25308-50 | Drawing No. EN/1001/A | Rev. 0

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APPENDIX 6L

Road Category for Road Traffic Noise Assessment

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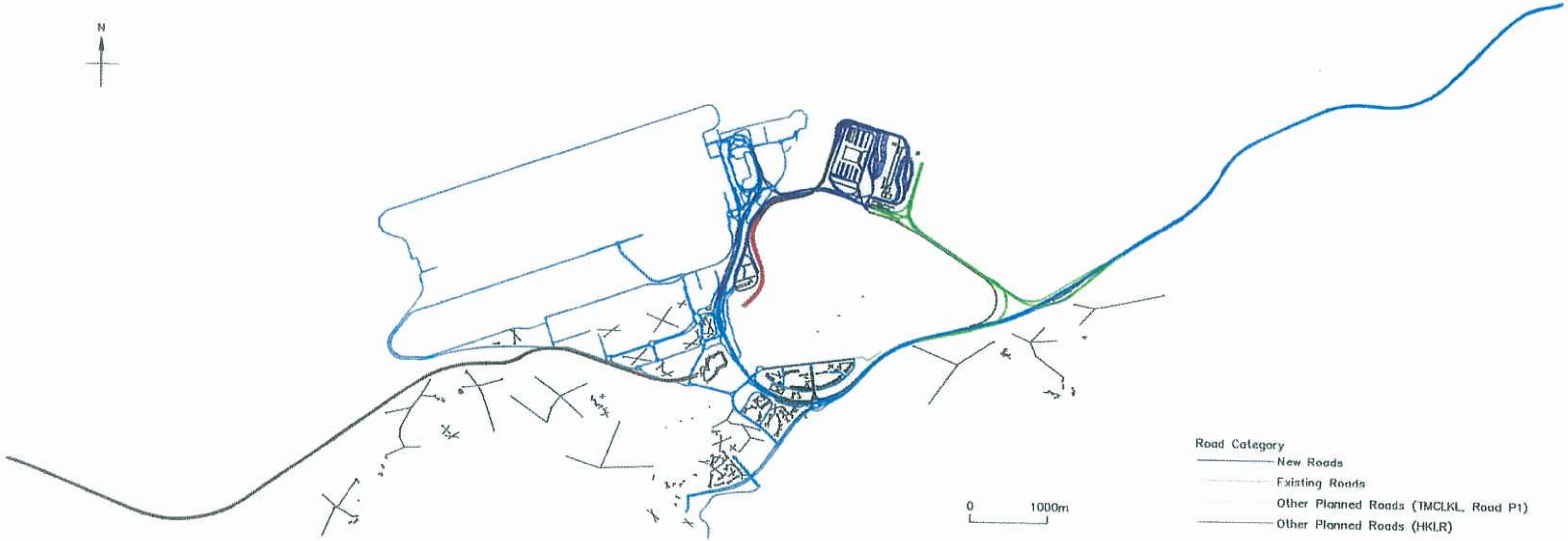

Mark	Date	By	Rev.

Drawing Status

Job Title

Kong-Zuhai-Macao Bridge
Hong Kong Boundary
Crossing Facilities
– Investigation

Drawing Title

Road Categories for
Road Traffic Noise
Assessment

ARUP Ove Arup & Partners
Hong Kong Limited

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Drn.	Date	Chd.	Passed
EL	01/05/09	FC	ST

Job No.	Drawing No.	Rev.
25308-50	EN/1002/A	0

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APPENDIX 6M

Predicted Road Traffic Noise Impacts

Project: **25308-50** Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title: Predicted Road Traffic Noise Impact (Year 2031)

No.	Assessment Point	Floor	Predicted Impacts, dB(A)					Criteria	Compliance (Y/N)	Nature
			New Roads		Existing Roads	Other Planned Roads (P1, TMCLKL)	Cumulative, dB(A)			
			BCF and Associated Roads	HKLR						
N1	101	1	0.0	58.5	50.7	0.0	59.1	70.0	Y	Residential
	101	2	0.0	58.6	50.7	0.0	59.3	70.0	Y	
	101	3	0.0	58.8	50.8	0.0	59.4	70.0	Y	
	102a	1	0.0	57.2	36.4	0.0	57.2	70.0	Y	Residential
	102a	2	0.0	57.5	38.6	0.0	57.6	70.0	Y	
	102a	3	0.0	58.0	41.4	0.0	58.1	70.0	Y	
	102b	1	0.0	56.6	0.0	0.0	56.6	70.0	Y	
	102b	2	0.0	56.8	0.0	0.0	56.8	70.0	Y	
	102b	3	0.0	56.9	0.0	0.0	56.9	70.0	Y	
N2	103a	1	0.0	58.5	62.5	0.0	63.9	65.0	Y	Temple
	103b	1	0.0	58.1	62.5	0.0	63.9	65.0	Y	
	104	1	0.0	64.2	66.3	0.0	68.3	70.0	Y	Residential
N3	105	1	21.6	59.1	68.3	21.8	68.8	70.0	Y	Residential
	105	2	22.0	59.3	68.3	22.3	68.8	70.0	Y	
	105	3	22.4	59.5	68.3	22.7	68.9	70.0	Y	
N4	106	1	28.0	53.7	64.1	28.6	64.5	70.0	Y	Residential
	106	2	30.4	54.0	64.4	30.3	64.8	70.0	Y	
	106	3	33.8	54.6	65.1	32.2	65.5	70.0	Y	
	107	1	23.3	51.2	53.9	22.1	55.8	70.0	Y	Residential
	107	2	24.3	52.0	55.2	22.7	56.9	70.0	Y	
	107	3	25.3	52.8	57.1	23.5	58.5	70.0	Y	
N14	152	1	28.8	56.7	65.4	0.0	66.0	70.0	Y	To be determined
	152	2	29.0	56.9	65.5	0.0	66.0	70.0	Y	
	152	3	29.1	57.0	65.5	0.0	66.1	70.0	Y	
	152	4	29.3	57.1	65.5	0.0	66.1	70.0	Y	
	152	5	29.5	57.2	65.5	0.0	66.1	70.0	Y	
	152	6	29.7	57.4	65.6	0.0	66.2	70.0	Y	
	152	7	30.0	57.5	65.6	0.0	66.2	70.0	Y	
	152	8	30.3	57.6	65.6	0.0	66.3	70.0	Y	
	152	9	30.5	57.7	65.7	0.0	66.3	70.0	Y	
	152	10	30.9	57.8	65.7	0.0	66.3	70.0	Y	
	152	11	31.2	57.9	65.7	0.0	66.4	70.0	Y	
	152	12	31.6	58.0	65.7	0.0	66.4	70.0	Y	
	152	13	32.0	58.2	65.7	0.0	66.4	70.0	Y	
	152	14	32.5	58.3	65.8	0.0	66.5	70.0	Y	
	152	15	33.0	58.5	65.8	0.0	66.5	70.0	Y	
	152	16	33.5	58.6	65.8	0.0	66.6	70.0	Y	
	152	17	34.3	58.7	65.8	0.0	66.6	70.0	Y	
	152	18	34.9	58.9	65.8	0.0	66.6	70.0	Y	
	152	19	35.8	59.0	65.8	0.0	66.6	70.0	Y	
	152	20	36.7	59.0	65.8	0.0	66.7	70.0	Y	
	152	21	37.5	59.1	65.8	0.0	66.7	70.0	Y	
	152	22	38.5	59.1	65.8	0.0	66.7	70.0	Y	
	152	23	39.1	59.2	65.8	0.0	66.7	70.0	Y	
	152	24	40.0	59.3	65.9	0.0	66.7	70.0	Y	
	152	25	40.8	59.3	65.9	0.0	66.7	70.0	Y	
	152	26	41.4	59.4	65.9	0.0	66.8	70.0	Y	
	152	27	41.8	59.5	65.9	0.0	66.8	70.0	Y	
	152	28	42.2	59.6	65.9	0.0	66.8	70.0	Y	
	152	29	42.4	59.7	65.9	0.0	66.8	70.0	Y	
	152	30	42.5	59.8	65.9	0.0	66.9	70.0	Y	
	152	31	42.6	59.9	65.9	0.0	66.9	70.0	Y	
	152	32	42.8	60.0	65.9	0.0	66.9	70.0	Y	
	152	33	42.8	60.2	65.9	0.0	66.9	70.0	Y	
	152	34	42.9	60.3	65.9	0.0	67.0	70.0	Y	
	152	35	43.0	60.4	65.9	0.0	67.0	70.0	Y	
	152	36	43.0	60.5	65.9	0.0	67.0	70.0	Y	
	152	37	43.0	60.6	65.9	0.0	67.0	70.0	Y	
	152	38	43.0	60.7	65.9	0.0	67.1	70.0	Y	
	152	39	43.0	60.8	65.9	0.0	67.1	70.0	Y	
	152	40	43.1	60.9	65.9	0.0	67.1	70.0	Y	
	152	41	43.1	61.0	65.9	0.0	67.1	70.0	Y	
	152	42	43.1	61.1	65.9	0.0	67.2	70.0	Y	
	152	43	43.2	61.2	65.9	0.0	67.2	70.0	Y	

Project: 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title: Predicted Road Traffic Noise Impact (Year 2031)

No.	Assessment Point	Floor	Predicted Impacts, dB(A) New Roads BCF and Associated Roads	HKLR	Existing Roads	Other Planned Roads (P1, TMCLKL)	Cumulative, dB(A)	Criteria	Compliance (Y/N)	Nature
	152	44	43.2	61.3	65.9	0.0	67.2	70.0	Y	
	152	45	43.2	61.4	65.9	0.0	67.2	70.0	Y	
	152	46	43.2	61.5	65.9	0.0	67.3	70.0	Y	
	152	47	43.2	61.5	65.9	0.0	67.3	70.0	Y	
	152	48	43.2	61.6	65.9	0.0	67.3	70.0	Y	
	152	49	43.3	61.7	65.9	0.0	67.3	70.0	Y	
	152	50	43.3	61.8	65.9	0.0	67.4	70.0	Y	
	153	1	40.4	57.1	67.9	37.3	68.2	70.0	Y	To be determined
	153	2	40.4	57.2	67.9	37.5	68.3	70.0	Y	
	153	3	40.4	57.3	67.9	37.7	68.3	70.0	Y	
	153	4	40.4	57.4	67.9	37.9	68.3	70.0	Y	
	153	5	40.5	57.5	67.9	38.1	68.3	70.0	Y	
	153	6	40.5	57.7	68.0	38.4	68.4	70.0	Y	
	153	7	40.5	57.8	68.0	38.7	68.4	70.0	Y	
	153	8	40.6	58.0	68.0	38.9	68.4	70.0	Y	
	153	9	40.7	58.1	68.0	39.2	68.4	70.0	Y	
	153	10	40.7	58.3	68.0	39.5	68.5	70.0	Y	
	153	11	40.8	58.4	68.0	39.8	68.5	70.0	Y	
	153	12	40.8	58.6	68.0	40.2	68.5	70.0	Y	
	153	13	40.9	58.8	68.1	40.8	68.6	70.0	Y	
	153	14	41.0	59.0	68.1	41.3	68.6	70.0	Y	
	153	15	41.1	59.2	68.1	41.5	68.6	70.0	Y	
	153	16	41.2	59.4	68.1	41.7	68.6	70.0	Y	
	153	17	41.3	59.5	68.1	42.0	68.7	70.0	Y	
	153	18	41.5	59.7	68.1	42.3	68.7	70.0	Y	
	153	19	41.7	59.7	68.1	42.5	68.7	70.0	Y	
	153	20	41.9	59.7	68.1	42.8	68.7	70.0	Y	
	153	21	42.0	59.8	68.1	43.1	68.7	70.0	Y	
	153	22	42.2	59.9	68.1	43.3	68.7	70.0	Y	
	153	23	42.4	60.0	68.1	43.6	68.8	70.0	Y	
	153	24	42.7	60.1	68.1	43.8	68.8	70.0	Y	
	153	25	42.8	60.2	68.1	44.0	68.8	70.0	Y	
	153	26	42.9	60.3	68.1	44.3	68.8	70.0	Y	
	153	27	43.0	60.4	68.1	44.4	68.8	70.0	Y	
	153	28	43.0	60.5	68.1	44.6	68.8	70.0	Y	
	153	29	43.1	60.6	68.1	44.8	68.9	70.0	Y	
	153	30	43.2	60.8	68.1	45.0	68.9	70.0	Y	
	153	31	43.3	60.9	68.1	45.1	68.9	70.0	Y	
	153	32	43.3	61.0	68.1	45.2	68.9	70.0	Y	
	153	33	43.4	61.1	68.1	45.4	69.0	70.0	Y	
	153	34	43.4	61.3	68.1	45.5	69.0	70.0	Y	
	153	35	43.5	61.4	68.2	45.6	69.0	70.0	Y	
	153	36	43.5	61.5	68.2	45.7	69.0	70.0	Y	
	153	37	43.6	61.6	68.2	45.8	69.1	70.0	Y	
	153	38	43.7	61.7	68.2	45.9	69.1	70.0	Y	
	153	39	43.7	61.8	68.2	46.0	69.1	70.0	Y	
	153	40	43.8	61.9	68.2	46.1	69.1	70.0	Y	
	153	41	43.8	62.0	68.2	46.2	69.1	70.0	Y	
	153	42	43.9	62.1	68.2	46.3	69.2	70.0	Y	
	153	43	43.9	62.2	68.2	46.4	69.2	70.0	Y	
	153	44	44.0	62.3	68.2	46.5	69.2	70.0	Y	
	153	45	44.0	62.4	68.2	46.7	69.2	70.0	Y	
	153	46	44.0	62.4	68.2	46.9	69.2	70.0	Y	
	153	47	44.1	62.5	68.2	47.1	69.3	70.0	Y	
	153	48	44.1	62.6	68.2	47.4	69.3	70.0	Y	
	153	49	44.2	62.6	68.2	47.6	69.3	70.0	Y	
	153	50	44.2	62.7	68.2	47.8	69.3	70.0	Y	
	154	1	41.6	56.3	67.6	38.3	68.0	70.0	Y	To be determined
	154	2	41.6	56.5	67.7	38.5	68.0	70.0	Y	
	154	3	41.6	56.6	67.7	38.7	68.0	70.0	Y	
	154	4	41.6	56.8	67.7	38.9	68.0	70.0	Y	
	154	5	41.6	56.9	67.7	39.1	68.0	70.0	Y	
	154	6	41.7	57.1	67.7	39.3	68.1	70.0	Y	
	154	7	41.7	57.2	67.7	39.6	68.1	70.0	Y	

No.	Assessment Point	Floor	Predicted Impacts, dB(A) New Roads BCF and Associated Roads	HKLR	Existing Roads	Other Planned Roads (P1, TMCLKL)	Cumulative, dB(A)	Criteria	Compliance (Y/N)	Nature
	154	8	41.7	57.4	67.7	39.8	68.1	70.0	Y	
	154	9	41.7	57.6	67.7	40.0	68.1	70.0	Y	
	154	10	41.7	57.8	67.7	40.3	68.2	70.0	Y	
	154	11	41.8	57.9	67.7	40.5	68.2	70.0	Y	
	154	12	41.9	58.1	67.7	40.8	68.2	70.0	Y	
	154	13	41.9	58.4	67.8	41.2	68.2	70.0	Y	
	154	14	41.9	58.6	67.8	41.6	68.3	70.0	Y	
	154	15	41.9	58.8	67.8	41.9	68.3	70.0	Y	
	154	16	42.0	59.0	67.8	42.1	68.3	70.0	Y	
	154	17	42.0	59.1	67.8	42.2	68.3	70.0	Y	
	154	18	42.0	59.3	67.8	42.4	68.4	70.0	Y	
	154	19	42.1	59.3	67.8	42.5	68.4	70.0	Y	
	154	20	42.1	59.4	67.8	42.7	68.4	70.0	Y	
	154	21	42.2	59.5	67.8	42.9	68.4	70.0	Y	
	154	22	42.4	59.5	67.8	43.2	68.4	70.0	Y	
	154	23	42.6	59.6	67.8	43.4	68.4	70.0	Y	
	154	24	42.8	59.7	67.8	43.7	68.4	70.0	Y	
	154	25	42.9	59.8	67.8	44.0	68.4	70.0	Y	
	154	26	43.0	60.0	67.8	44.3	68.5	70.0	Y	
	154	27	43.1	60.1	67.8	44.5	68.5	70.0	Y	
	154	28	43.1	60.2	67.8	44.8	68.5	70.0	Y	
	154	29	43.2	60.3	67.8	45.0	68.5	70.0	Y	
	154	30	43.3	60.4	67.8	45.1	68.6	70.0	Y	
	154	31	43.3	60.6	67.8	45.4	68.6	70.0	Y	
	154	32	43.4	60.7	67.8	45.5	68.6	70.0	Y	
	154	33	43.4	60.8	67.8	45.6	68.6	70.0	Y	
	154	34	43.5	60.9	67.8	45.8	68.7	70.0	Y	
	154	35	43.5	61.1	67.8	45.9	68.7	70.0	Y	
	154	36	43.6	61.2	67.8	46.1	68.7	70.0	Y	
	154	37	43.6	61.3	67.8	46.2	68.7	70.0	Y	
	154	38	43.7	61.4	67.8	46.3	68.7	70.0	Y	
	154	39	43.8	61.5	67.8	46.4	68.8	70.0	Y	
	154	40	43.8	61.6	67.8	46.5	68.8	70.0	Y	
	154	41	43.9	61.7	67.8	46.6	68.8	70.0	Y	
	154	42	44.0	61.8	67.8	46.7	68.8	70.0	Y	
	154	43	44.0	61.9	67.8	46.7	68.9	70.0	Y	
	154	44	44.1	62.0	67.8	46.8	68.9	70.0	Y	
	154	45	44.1	62.0	67.8	46.8	68.9	70.0	Y	
	154	46	44.1	62.1	67.8	46.9	68.9	70.0	Y	
	154	47	44.2	62.2	67.9	46.9	68.9	70.0	Y	
	154	48	44.2	62.2	67.9	47.0	69.0	70.0	Y	
	154	49	44.2	62.3	67.9	47.0	69.0	70.0	Y	
	154	50	44.2	62.4	67.9	47.1	69.0	70.0	Y	
	155	1	41.9	54.8	71.2	38.7	71.3	70.0	N	To be determined
	155	2	41.9	54.9	71.2	38.9	71.3	70.0	N	
	155	3	42.0	55.1	71.2	39.1	71.3	70.0	N	
	155	4	42.0	55.3	71.2	39.4	71.3	70.0	N	
	155	5	42.0	55.5	71.2	39.5	71.3	70.0	N	
	155	6	42.0	55.6	71.2	39.7	71.3	70.0	N	
	155	7	42.1	55.8	71.2	40.0	71.3	70.0	N	
	155	8	42.1	56.0	71.2	40.2	71.3	70.0	N	
	155	9	42.1	56.2	71.2	40.5	71.3	70.0	N	
	155	10	42.2	56.4	71.2	40.8	71.3	70.0	N	
	155	11	42.2	56.6	71.2	41.1	71.3	70.0	N	
	155	12	42.4	56.9	71.2	41.4	71.3	70.0	N	
	155	13	42.4	57.1	71.2	41.8	71.3	70.0	N	
	155	14	42.4	57.4	71.2	42.2	71.3	70.0	N	
	155	15	42.5	57.6	71.2	42.4	71.4	70.0	N	
	155	16	42.6	57.9	71.2	42.6	71.4	70.0	N	
	155	17	42.6	58.1	71.2	42.9	71.4	70.0	N	
	155	18	42.7	58.2	71.1	43.0	71.4	70.0	N	
	155	19	42.8	58.3	71.1	43.2	71.4	70.0	N	
	155	20	43.0	58.4	71.1	43.4	71.3	70.0	N	
	155	21	43.2	58.5	71.1	43.7	71.4	70.0	N	

Project: **25308-50** Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title: Predicted Road Traffic Noise Impact (Year 2031)

No.	Assessment Point	Floor	Predicted Impacts, dB(A): New Roads: BCF and Associated Roads	New Roads: HKLR	Existing Roads	Other Planned Roads (P1, TMCLKL)	Cumulative, dB(A)	Criteria	Compliance (Y/N)	Nature
	155	22	43.4	58.7	71.1	44.0	71.4	70.0	N	
	155	23	43.8	58.9	71.1	44.3	71.4	70.0	N	
	155	24	44.2	59.1	71.1	44.6	71.4	70.0	N	
	155	25	44.5	59.3	71.1	44.8	71.4	70.0	N	
	155	26	45.0	59.4	71.1	45.1	71.4	70.0	N	
	155	27	45.5	59.6	71.1	45.3	71.4	70.0	N	
	155	28	46.1	59.8	71.1	45.6	71.4	70.0	N	
	155	29	46.7	59.9	71.0	45.8	71.4	70.0	N	
	155	30	47.1	60.1	71.0	46.0	71.4	70.0	N	
	155	31	47.4	60.2	71.0	46.2	71.4	70.0	N	
	155	32	47.6	60.4	71.0	46.3	71.4	70.0	N	
	155	33	47.7	60.5	71.0	46.5	71.4	70.0	N	
	155	34	47.8	60.6	71.0	46.6	71.4	70.0	N	
	155	35	47.8	60.7	71.0	46.7	71.4	70.0	N	
	155	36	47.9	60.8	71.0	46.9	71.4	70.0	N	
	155	37	47.9	60.9	71.0	47.0	71.5	70.0	N	
	155	38	47.9	61.0	71.0	47.1	71.5	70.0	N	
	155	39	47.9	61.1	71.0	47.1	71.5	70.0	N	
	155	40	48.0	61.2	71.0	47.2	71.5	70.0	N	
	155	41	48.0	61.3	71.0	47.3	71.5	70.0	N	
	155	42	48.0	61.3	71.0	47.4	71.4	70.0	N	
	155	43	48.0	61.4	71.0	47.4	71.5	70.0	N	
	155	44	48.0	61.5	71.0	47.5	71.5	70.0	N	
	155	45	48.0	61.5	70.9	47.6	71.5	70.0	N	
	155	46	48.0	61.6	70.9	47.6	71.5	70.0	N	
	155	47	48.0	61.6	70.9	47.7	71.4	70.0	N	
	155	48	48.0	61.7	70.9	47.7	71.5	70.0	N	
	155	49	48.0	61.8	70.9	47.7	71.5	70.0	N	
	155	50	48.0	61.8	70.9	47.8	71.4	70.0	N	
N15	156	1	59.6	59.5	63.8	53.9	66.5	70.0	Y	To be determined
	156	2	59.6	59.5	63.8	53.9	66.5	70.0	Y	
	156	3	59.6	59.5	63.8	54.0	66.5	70.0	Y	
	156	4	59.7	59.5	63.8	54.1	66.5	70.0	Y	
	156	5	59.7	59.5	63.9	54.1	66.5	70.0	Y	
	156	6	59.7	59.5	63.9	54.2	66.6	70.0	Y	
	156	7	59.7	59.5	63.9	54.3	66.6	70.0	Y	
	156	8	59.7	59.5	63.9	54.4	66.6	70.0	Y	
	156	9	59.8	59.5	63.9	54.4	66.6	70.0	Y	
	156	10	59.8	59.6	63.9	54.5	66.6	70.0	Y	
	156	11	59.8	59.6	63.9	54.6	66.6	70.0	Y	
	156	12	59.8	59.6	63.9	54.8	66.7	70.0	Y	
	156	13	59.9	59.6	63.9	54.9	66.7	70.0	Y	
	156	14	59.9	59.6	63.9	55.1	66.7	70.0	Y	
	156	15	59.9	59.6	63.9	55.2	66.7	70.0	Y	
	156	16	59.9	59.6	64.0	55.4	66.7	70.0	Y	
	156	17	59.9	59.6	64.0	55.5	66.7	70.0	Y	
	156	18	59.9	59.6	64.0	55.7	66.8	70.0	Y	
	156	19	60.0	59.6	64.0	55.8	66.8	70.0	Y	
	156	20	60.0	59.6	64.0	56.0	66.8	70.0	Y	
	156	21	60.0	59.6	64.0	56.2	66.8	70.0	Y	
	156	22	60.0	59.6	64.0	56.3	66.8	70.0	Y	
	156	23	60.0	59.6	64.0	56.4	66.8	70.0	Y	
	156	24	60.0	59.6	64.0	56.6	66.9	70.0	Y	
	156	25	60.0	59.6	64.0	56.7	66.9	70.0	Y	
	156	26	60.0	59.6	64.0	56.7	66.9	70.0	Y	
	156	27	60.0	59.6	64.0	56.8	66.9	70.0	Y	
	156	28	60.1	59.6	64.0	56.9	66.9	70.0	Y	
	156	29	60.1	59.6	64.0	57.0	66.9	70.0	Y	
	156	30	60.1	59.6	64.0	57.0	66.9	70.0	Y	
	156	31	60.1	59.6	64.0	57.1	66.9	70.0	Y	
	156	32	60.1	59.6	64.0	57.1	66.9	70.0	Y	
	156	33	60.1	59.6	64.0	57.2	66.9	70.0	Y	
	156	34	60.1	59.6	64.0	57.2	67.0	70.0	Y	
	156	35	60.1	59.6	64.0	57.3	67.0	70.0	Y	

No.	Assessment Point	Floor	Predicted Impacts, dB(A) New Roads BCF and Associated Roads	HKLR	Existing Roads	Other Planned Roads (P1, TMCLKL)	Cumulative, dB(A)	Criteria	Compliance (Y/N)	Nature
	156	36	60.1	59.6	64.0	57.3	67.0	70.0	Y	
	156	37	60.1	59.7	64.0	57.3	67.0	70.0	Y	
	156	38	60.1	59.7	64.0	57.4	67.0	70.0	Y	
	156	39	60.2	59.7	64.0	57.4	67.0	70.0	Y	
	156	40	60.2	59.7	64.0	57.4	67.0	70.0	Y	
	156	41	60.2	59.7	64.0	57.4	67.0	70.0	Y	
	156	42	60.2	59.7	64.0	57.4	67.0	70.0	Y	
	156	43	60.2	59.7	64.0	57.5	67.0	70.0	Y	
	156	44	60.2	59.7	64.0	57.5	67.0	70.0	Y	
	156	45	60.2	59.7	64.0	57.5	67.0	70.0	Y	
	156	46	60.2	59.7	64.0	57.5	67.0	70.0	Y	
	156	47	60.2	59.7	64.0	57.5	67.0	70.0	Y	
	156	48	60.2	59.7	64.0	57.5	67.0	70.0	Y	
	156	49	60.3	59.7	64.0	57.5	67.0	70.0	Y	
	156	50	60.3	59.7	64.0	57.6	67.1	70.0	Y	
	157	1	60.3	58.9	58.9	56.1	64.8	70.0	Y	To be determined
	157	2	60.4	58.9	58.9	56.1	64.8	70.0	Y	
	157	3	60.4	58.9	58.9	56.2	64.8	70.0	Y	
	157	4	60.4	58.9	58.9	56.3	64.9	70.0	Y	
	157	5	60.4	58.9	58.9	56.4	64.9	70.0	Y	
	157	6	60.4	58.9	58.9	56.5	64.9	70.0	Y	
	157	7	60.4	58.9	58.9	56.6	64.9	70.0	Y	
	157	8	60.4	58.9	58.9	56.6	64.9	70.0	Y	
	157	9	60.4	58.9	58.9	56.7	64.9	70.0	Y	
	157	10	60.4	58.9	58.9	56.8	65.0	70.0	Y	
	157	11	60.4	58.9	58.9	56.9	65.0	70.0	Y	
	157	12	60.5	58.9	58.9	57.0	65.0	70.0	Y	
	157	13	60.5	58.9	58.9	57.2	65.0	70.0	Y	
	157	14	60.5	58.9	58.9	57.4	65.1	70.0	Y	
	157	15	60.5	58.9	58.9	57.6	65.1	70.0	Y	
	157	16	60.5	58.9	58.9	57.7	65.1	70.0	Y	
	157	17	60.5	58.9	58.9	57.9	65.2	70.0	Y	
	157	18	60.5	58.9	58.9	58.1	65.2	70.0	Y	
	157	19	60.5	58.9	58.9	58.3	65.3	70.0	Y	
	157	20	60.5	58.9	58.9	58.5	65.3	70.0	Y	
	157	21	60.5	58.9	58.9	58.6	65.3	70.0	Y	
	157	22	60.6	58.9	58.9	58.7	65.4	70.0	Y	
	157	23	60.6	58.9	58.9	58.9	65.4	70.0	Y	
	157	24	60.6	58.9	58.9	59.0	65.4	70.0	Y	
	157	25	60.6	58.9	58.9	59.0	65.4	70.0	Y	
	157	26	60.6	59.0	58.9	59.1	65.5	70.0	Y	
	157	27	60.6	59.0	58.9	59.2	65.5	70.0	Y	
	157	28	60.6	59.0	58.9	59.3	65.5	70.0	Y	
	157	29	60.6	59.0	58.9	59.3	65.5	70.0	Y	
	157	30	60.6	59.0	58.9	59.4	65.5	70.0	Y	
	157	31	60.6	59.0	58.9	59.4	65.6	70.0	Y	
	157	32	60.6	59.0	58.9	59.5	65.6	70.0	Y	
	157	33	60.6	59.0	58.9	59.5	65.6	70.0	Y	
	157	34	60.6	59.0	58.9	59.6	65.6	70.0	Y	
	157	35	60.7	59.0	58.9	59.6	65.6	70.0	Y	
	157	36	60.7	59.0	58.9	59.6	65.6	70.0	Y	
	157	37	60.7	59.0	58.9	59.6	65.6	70.0	Y	
	157	38	60.7	59.0	58.9	59.7	65.6	70.0	Y	
	157	39	60.7	59.0	58.9	59.7	65.6	70.0	Y	
	157	40	60.7	59.0	58.9	59.7	65.6	70.0	Y	
	157	41	60.7	59.0	58.9	59.7	65.7	70.0	Y	
	157	42	60.7	59.0	58.9	59.7	65.7	70.0	Y	
	157	43	60.7	59.0	58.9	59.8	65.7	70.0	Y	
	157	44	60.7	59.0	58.9	59.8	65.7	70.0	Y	
	157	45	60.7	59.0	58.9	59.8	65.7	70.0	Y	
	157	46	60.7	59.0	58.9	59.8	65.7	70.0	Y	
	157	47	60.7	59.0	58.9	59.8	65.7	70.0	Y	
	157	48	60.8	59.0	58.9	59.8	65.7	70.0	Y	
	157	49	60.8	59.0	58.9	59.9	65.7	70.0	Y	

Project: **25308-50** Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title: Predicted Road Traffic Noise Impact (Year 2031)

No.	Assessment Point	Floor	Predicted Impacts, dB(A): New Roads: BCF and Associated Roads	New Roads: HKLR	Existing Roads	Other Planned Roads (P1, TMCLKL)	Cumulative, dB(A)	Criteria	Compliance (Y/N)	Nature
	157	50	60.8	59.0	58.9	59.9	65.7	70.0	Y	
	158	1	61.1	57.8	57.9	57.8	64.9	70.0	Y	To be determined
	158	2	61.2	57.8	57.9	57.9	65.0	70.0	Y	
	158	3	61.2	57.8	57.9	58.0	65.0	70.0	Y	
	158	4	61.2	57.8	57.9	58.1	65.0	70.0	Y	
	158	5	61.2	57.8	57.9	58.2	65.1	70.0	Y	
	158	6	61.2	57.8	57.9	58.3	65.1	70.0	Y	
	158	7	61.3	57.8	57.9	58.5	65.1	70.0	Y	
	158	8	61.3	57.8	57.9	58.5	65.2	70.0	Y	
	158	9	61.4	57.8	57.9	58.7	65.2	70.0	Y	
	158	10	61.4	57.8	57.9	58.8	65.3	70.0	Y	
	158	11	61.4	57.8	57.9	58.9	65.3	70.0	Y	
	158	12	61.5	57.8	57.9	59.1	65.4	70.0	Y	
	158	13	61.5	57.8	57.9	59.4	65.4	70.0	Y	
	158	14	61.5	57.8	57.9	59.6	65.5	70.0	Y	
	158	15	61.5	57.8	57.9	59.9	65.6	70.0	Y	
	158	16	61.6	57.8	57.9	60.2	65.7	70.0	Y	
	158	17	61.6	57.8	57.9	60.4	65.8	70.0	Y	
	158	18	61.6	57.8	57.9	60.6	65.8	70.0	Y	
	158	19	61.6	57.8	57.9	60.8	65.9	70.0	Y	
	158	20	61.6	57.8	57.9	61.0	66.0	70.0	Y	
	158	21	61.6	57.8	58.0	61.1	66.0	70.0	Y	
	158	22	61.7	57.8	58.0	61.2	66.0	70.0	Y	
	158	23	61.7	57.9	58.0	61.2	66.1	70.0	Y	
	158	24	61.7	57.9	58.0	61.3	66.1	70.0	Y	
	158	25	61.7	57.9	58.0	61.4	66.1	70.0	Y	
	158	26	61.7	57.9	58.0	61.4	66.1	70.0	Y	
	158	27	61.7	57.9	58.0	61.5	66.2	70.0	Y	
	158	28	61.7	57.9	58.0	61.5	66.2	70.0	Y	
	158	29	61.7	57.9	58.0	61.6	66.2	70.0	Y	
	158	30	61.7	57.9	58.0	61.6	66.2	70.0	Y	
	158	31	61.7	57.9	58.0	61.6	66.2	70.0	Y	
	158	32	61.7	57.9	58.0	61.7	66.2	70.0	Y	
	158	33	61.7	57.9	58.0	61.7	66.2	70.0	Y	
	158	34	61.7	57.9	58.0	61.7	66.2	70.0	Y	
	158	35	61.7	57.9	58.0	61.7	66.3	70.0	Y	
	158	36	61.7	57.9	58.0	61.8	66.3	70.0	Y	
	158	37	61.7	57.9	58.0	61.8	66.3	70.0	Y	
	158	38	61.7	57.9	58.0	61.8	66.3	70.0	Y	
	158	39	61.7	57.9	58.0	61.8	66.3	70.0	Y	
	158	40	61.7	57.9	58.0	61.8	66.3	70.0	Y	
	158	41	61.7	57.9	58.0	61.9	66.3	70.0	Y	
	158	42	61.7	57.9	58.0	61.9	66.3	70.0	Y	
	158	43	61.7	57.9	58.0	61.9	66.3	70.0	Y	
	158	44	61.7	57.9	58.0	61.9	66.3	70.0	Y	
	158	45	61.8	57.9	58.0	61.9	66.3	70.0	Y	
	158	46	61.8	57.9	58.0	61.9	66.4	70.0	Y	
	158	47	61.8	57.9	58.0	62.0	66.4	70.0	Y	
	158	48	61.8	57.9	58.0	62.0	66.4	70.0	Y	
	158	49	61.8	57.9	58.0	62.0	66.4	70.0	Y	
	158	50	61.8	57.9	58.0	62.0	66.4	70.0	Y	
	159	1	58.9	58.5	61.1	55.2	64.9	70.0	Y	To be determined
	159	2	58.9	58.5	61.1	55.3	64.9	70.0	Y	
	159	3	58.9	58.5	61.1	55.4	64.9	70.0	Y	
	159	4	58.9	58.5	61.1	55.4	65	70.0	Y	
	159	5	58.9	58.5	61.1	55.5	65	70.0	Y	
	159	6	58.9	58.5	61.1	55.6	65	70.0	Y	
	159	7	59	58.5	61.1	55.7	65	70.0	Y	
	159	8	59	58.5	61.1	55.8	65	70.0	Y	
	159	9	59	58.5	61.1	55.9	65	70.0	Y	
	159	10	59	58.5	61.1	56	65.1	70.0	Y	
	159	11	59	58.5	61.1	56.1	65.1	70.0	Y	
	159	12	59.1	58.5	61.1	56.2	65.1	70.0	Y	
	159	13	59.1	58.5	61.1	56.3	65.1	70.0	Y	

Project: 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title: Predicted Road Traffic Noise Impact (Year 2031)

No.	Assessment Point	Floor	Predicted Impacts, dB(A) - New Roads - BCF and Associated Roads	HKLR	Existing Roads	Other Planned Roads (P1, TMCLKL)	Cumulative, dB(A)	Criteria	Compliance (Y/N)	Nature
	159	14	59.1	58.5	61.1	56.4	65.1	70.0	Y	
	159	15	59.1	58.5	61.1	56.6	65.2	70.0	Y	
	159	16	59.2	58.5	61.2	56.7	65.2	70.0	Y	
	159	17	59.2	58.5	61.2	56.9	65.2	70.0	Y	
	159	18	59.2	58.5	61.2	57	65.2	70.0	Y	
	159	19	59.2	58.5	61.2	57.1	65.3	70.0	Y	
	159	20	59.2	58.5	61.2	57.2	65.3	70.0	Y	
	159	21	59.2	58.5	61.2	57.3	65.3	70.0	Y	
	159	22	59.2	58.5	61.2	57.5	65.3	70.0	Y	
	159	23	59.3	58.5	61.2	57.5	65.4	70.0	Y	
	159	24	59.3	58.5	61.2	57.6	65.4	70.0	Y	
	159	25	59.3	58.5	61.2	57.7	65.4	70.0	Y	
	159	26	59.3	58.5	61.2	57.8	65.4	70.0	Y	
	159	27	59.3	58.5	61.2	57.9	65.4	70.0	Y	
	159	28	59.3	58.5	61.2	57.9	65.4	70.0	Y	
	159	29	59.3	58.5	61.2	58	65.5	70.0	Y	
	159	30	59.3	58.5	61.2	58.1	65.5	70.0	Y	
	159	31	59.3	58.5	61.2	58.1	65.5	70.0	Y	
	159	32	59.4	58.5	61.2	58.2	65.5	70.0	Y	
	159	33	59.4	58.5	61.2	58.2	65.5	70.0	Y	
	159	34	59.4	58.5	61.2	58.3	65.5	70.0	Y	
	159	35	59.4	58.5	61.2	58.3	65.5	70.0	Y	
	159	36	59.4	58.5	61.2	58.3	65.5	70.0	Y	
	159	37	59.4	58.5	61.2	58.4	65.5	70.0	Y	
	159	38	59.4	58.5	61.2	58.4	65.6	70.0	Y	
	159	39	59.4	58.5	61.2	58.4	65.6	70.0	Y	
	159	40	59.5	58.5	61.2	58.5	65.6	70.0	Y	
	159	41	59.5	58.5	61.2	58.5	65.6	70.0	Y	
	159	42	59.5	58.5	61.2	58.5	65.6	70.0	Y	
	159	43	59.5	58.5	61.2	58.5	65.6	70.0	Y	
	159	44	59.5	58.5	61.2	58.5	65.6	70.0	Y	
	159	45	59.5	58.5	61.2	58.6	65.6	70.0	Y	
	159	46	59.5	58.5	61.2	58.6	65.6	70.0	Y	
	159	47	59.5	58.5	61.2	58.6	65.6	70.0	Y	
	159	48	59.6	58.5	61.2	58.6	65.6	70.0	Y	
	159	49	59.6	58.5	61.2	58.6	65.6	70.0	Y	
	159	50	59.6	58.5	61.2	58.6	65.6	70.0	Y	
	160	1	58.7	58.2	61.8	55.5	65.2	70.0	Y	To be determined
	160	2	58.7	58.2	61.8	55.6	65.2	70.0	Y	
	160	3	58.7	58.2	61.8	55.7	65.2	70.0	Y	
	160	4	58.8	58.2	61.8	55.8	65.2	70.0	Y	
	160	5	58.8	58.2	61.8	55.9	65.2	70.0	Y	
	160	6	58.8	58.2	61.8	56	65.2	70.0	Y	
	160	7	58.8	58.2	61.8	56.1	65.2	70.0	Y	
	160	8	58.8	58.2	61.8	56.2	65.2	70.0	Y	
	160	9	58.8	58.2	61.8	56.3	65.3	70.0	Y	
	160	10	58.8	58.2	61.8	56.4	65.3	70.0	Y	
	160	11	58.8	58.2	61.8	56.5	65.3	70.0	Y	
	160	12	58.8	58.2	61.8	56.6	65.3	70.0	Y	
	160	13	58.9	58.2	61.8	56.7	65.3	70.0	Y	
	160	14	58.9	58.2	61.8	56.8	65.4	70.0	Y	
	160	15	58.9	58.2	61.8	57	65.4	70.0	Y	
	160	16	58.9	58.2	61.8	57.1	65.4	70.0	Y	
	160	17	58.9	58.2	61.8	57.2	65.4	70.0	Y	
	160	18	58.9	58.2	61.8	57.4	65.4	70.0	Y	
	160	19	58.9	58.2	61.8	57.5	65.5	70.0	Y	
	160	20	58.9	58.2	61.8	57.6	65.5	70.0	Y	
	160	21	59	58.2	61.8	57.7	65.5	70.0	Y	
	160	22	59	58.2	61.8	57.8	65.5	70.0	Y	
	160	23	59	58.2	61.8	58	65.6	70.0	Y	
	160	24	59	58.2	61.8	58.1	65.6	70.0	Y	
	160	25	59	58.2	61.8	58.2	65.6	70.0	Y	
	160	26	59	58.2	61.8	58.2	65.6	70.0	Y	
	160	27	59	58.2	61.8	58.3	65.6	70.0	Y	

Project: 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title: Predicted Road Traffic Noise Impact (Year 2031)

No.	Assessment Point	Floor	Predicted Impacts, dB(A)					Criteria	Compliance (Y/N)	Nature
			New Roads		Existing Roads	Other Planned Roads (P1, TMCLKL)	Cumulative, dB(A)			
			BCF and Associated Roads	HKLR						
	160	28	59	58.2	61.8	58.4	65.6	70.0	Y	
	160	29	59	58.2	61.8	58.4	65.6	70.0	Y	
	160	30	59	58.2	61.8	58.5	65.7	70.0	Y	
	160	31	59.1	58.2	61.8	58.6	65.7	70.0	Y	
	160	32	59.1	58.2	61.8	58.6	65.7	70.0	Y	
	160	33	59.1	58.2	61.8	58.7	65.7	70.0	Y	
	160	34	59.1	58.2	61.8	58.7	65.7	70.0	Y	
	160	35	59.1	58.2	61.8	58.7	65.7	70.0	Y	
	160	36	59.1	58.2	61.8	58.8	65.7	70.0	Y	
	160	37	59.1	58.2	61.8	58.8	65.7	70.0	Y	
	160	38	59.1	58.2	61.8	58.8	65.7	70.0	Y	
	160	39	59.1	58.2	61.8	58.8	65.7	70.0	Y	
	160	40	59.1	58.2	61.8	58.9	65.7	70.0	Y	
	160	41	59.1	58.2	61.7	58.9	65.7	70.0	Y	
	160	42	59.2	58.2	61.7	58.9	65.7	70.0	Y	
	160	43	59.2	58.2	61.7	58.9	65.7	70.0	Y	
	160	44	59.2	58.2	61.7	58.9	65.8	70.0	Y	
	160	45	59.2	58.2	61.7	59	65.8	70.0	Y	
	160	46	59.2	58.2	61.7	59	65.8	70.0	Y	
	160	47	59.2	58.2	61.7	59	65.8	70.0	Y	
	160	48	59.2	58.2	61.7	59	65.8	70.0	Y	
	160	49	59.2	58.2	61.7	59	65.8	70.0	Y	
	160	50	59.2	58.2	61.7	59	65.8	70.0	Y	
	161	1	58.5	57.7	61.7	56	65	70.0	Y	To be determined
	161	2	58.5	57.7	61.7	56.1	65	70.0	Y	
	161	3	58.5	57.7	61.7	56.2	65	70.0	Y	
	161	4	58.5	57.7	61.7	56.3	65	70.0	Y	
	161	5	58.5	57.7	61.7	56.4	65	70.0	Y	
	161	6	58.5	57.7	61.7	56.5	65.1	70.0	Y	
	161	7	58.5	57.7	61.7	56.6	65.1	70.0	Y	
	161	8	58.5	57.7	61.7	56.7	65.1	70.0	Y	
	161	9	58.5	57.7	61.7	56.8	65.1	70.0	Y	
	161	10	58.5	57.7	61.7	56.9	65.1	70.0	Y	
	161	11	58.5	57.7	61.7	57	65.1	70.0	Y	
	161	12	58.5	57.7	61.7	57.1	65.2	70.0	Y	
	161	13	58.5	57.7	61.7	57.2	65.2	70.0	Y	
	161	14	58.6	57.7	61.7	57.3	65.2	70.0	Y	
	161	15	58.6	57.7	61.7	57.4	65.2	70.0	Y	
	161	16	58.6	57.7	61.7	57.5	65.2	70.0	Y	
	161	17	58.6	57.7	61.7	57.7	65.3	70.0	Y	
	161	18	58.6	57.7	61.7	57.8	65.3	70.0	Y	
	161	19	58.6	57.7	61.7	57.9	65.3	70.0	Y	
	161	20	58.6	57.7	61.7	58	65.3	70.0	Y	
	161	21	58.6	57.7	61.7	58.2	65.4	70.0	Y	
	161	22	58.6	57.7	61.7	58.3	65.4	70.0	Y	
	161	23	58.6	57.7	61.7	58.4	65.4	70.0	Y	
	161	24	58.6	57.7	61.6	58.5	65.4	70.0	Y	
	161	25	58.6	57.7	61.6	58.6	65.5	70.0	Y	
	161	26	58.7	57.7	61.6	58.7	65.5	70.0	Y	
	161	27	58.7	57.7	61.6	58.8	65.5	70.0	Y	
	161	28	58.7	57.7	61.6	58.8	65.5	70.0	Y	
	161	29	58.7	57.7	61.6	58.9	65.5	70.0	Y	
	161	30	58.7	57.7	61.6	59	65.5	70.0	Y	
	161	31	58.7	57.7	61.6	59	65.5	70.0	Y	
	161	32	58.7	57.7	61.6	59.1	65.5	70.0	Y	
	161	33	58.7	57.7	61.6	59.1	65.5	70.0	Y	
	161	34	58.7	57.7	61.6	59.1	65.6	70.0	Y	
	161	35	58.7	57.7	61.6	59.2	65.6	70.0	Y	
	161	36	58.7	57.7	61.6	59.2	65.6	70.0	Y	
	161	37	58.7	57.7	61.6	59.2	65.6	70.0	Y	
	161	38	58.7	57.7	61.6	59.3	65.6	70.0	Y	
	161	39	58.8	57.7	61.5	59.3	65.6	70.0	Y	
	161	40	58.8	57.7	61.5	59.3	65.6	70.0	Y	
	161	41	58.8	57.7	61.5	59.3	65.6	70.0	Y	

Project: **25308-50** Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title: Predicted Road Traffic Noise Impact (Year 2031)

			Predicted Impacts, dB(A)							
			New Roads		Existing Roads	Other Planned Roads (P1, TMCLKL)	Cumulative, dB(A)	Criteria	Compliance (Y/N)	Nature
No.	Assessment Point	Floor	BCF and Associated Roads	HKLR						
	161	42	58.8	57.7	61.5	59.4	65.6	70.0	Y	
	161	43	58.8	57.7	61.5	59.4	65.6	70.0	Y	
	161	44	58.8	57.7	61.5	59.4	65.6	70.0	Y	
	161	45	58.8	57.7	61.5	59.4	65.6	70.0	Y	
	161	46	58.8	57.7	61.5	59.4	65.6	70.0	Y	
	161	47	58.8	57.7	61.5	59.4	65.6	70.0	Y	
	161	48	58.8	57.7	61.5	59.4	65.6	70.0	Y	
	161	49	58.8	57.7	61.5	59.5	65.6	70.0	Y	
	161	50	58.8	57.7	61.5	59.5	65.6	70.0	Y	

APPENDIX 6N

Proposed APM Alignment

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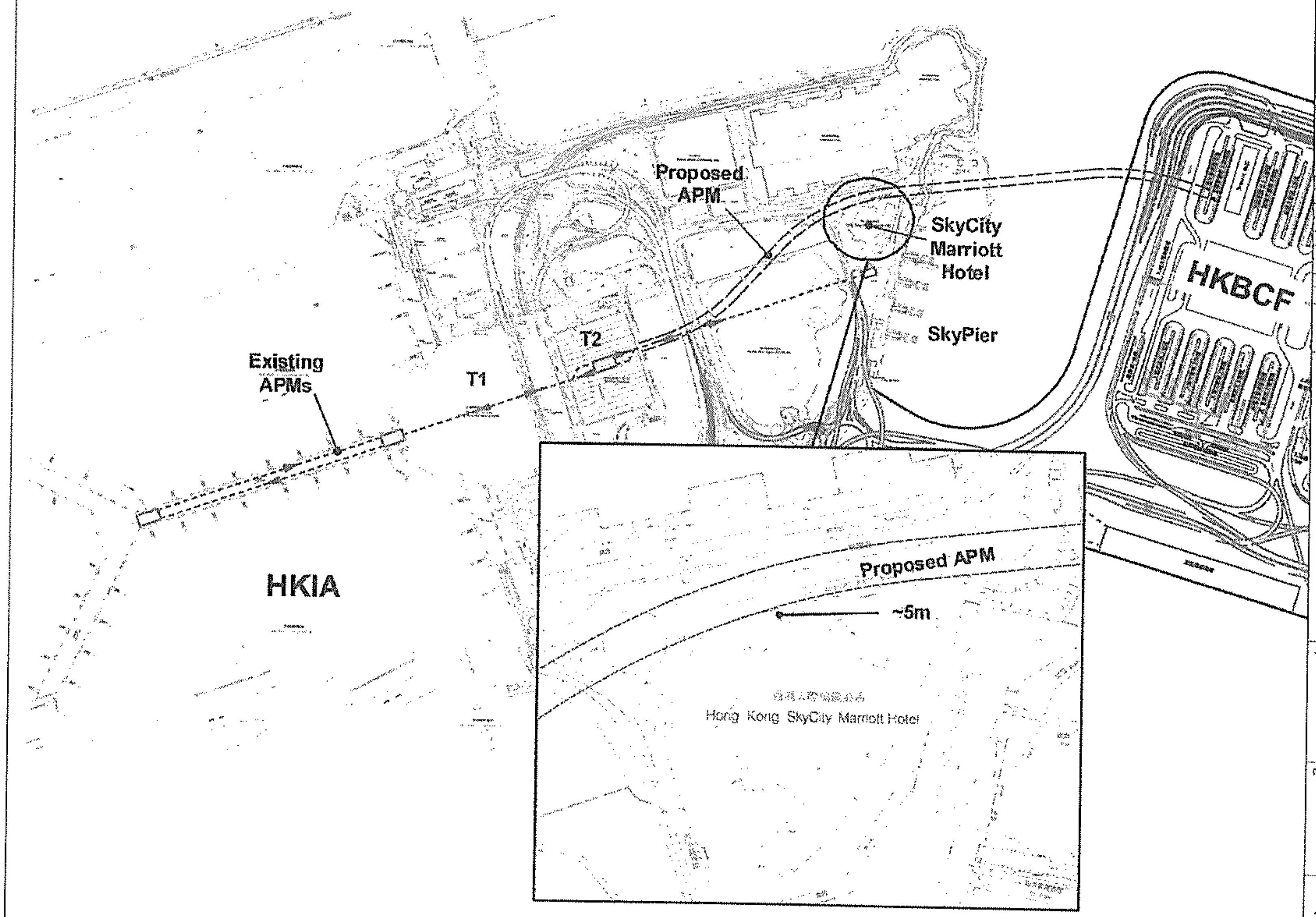

Mark	Date	By	Rev.

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Hong Kong Boundary
Crossing Facilities
– Investigation

Drawing Title
Proposed APM Alignment

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Job No. 25308–50		Drawing No. EN/1005/A		Rev. 0	

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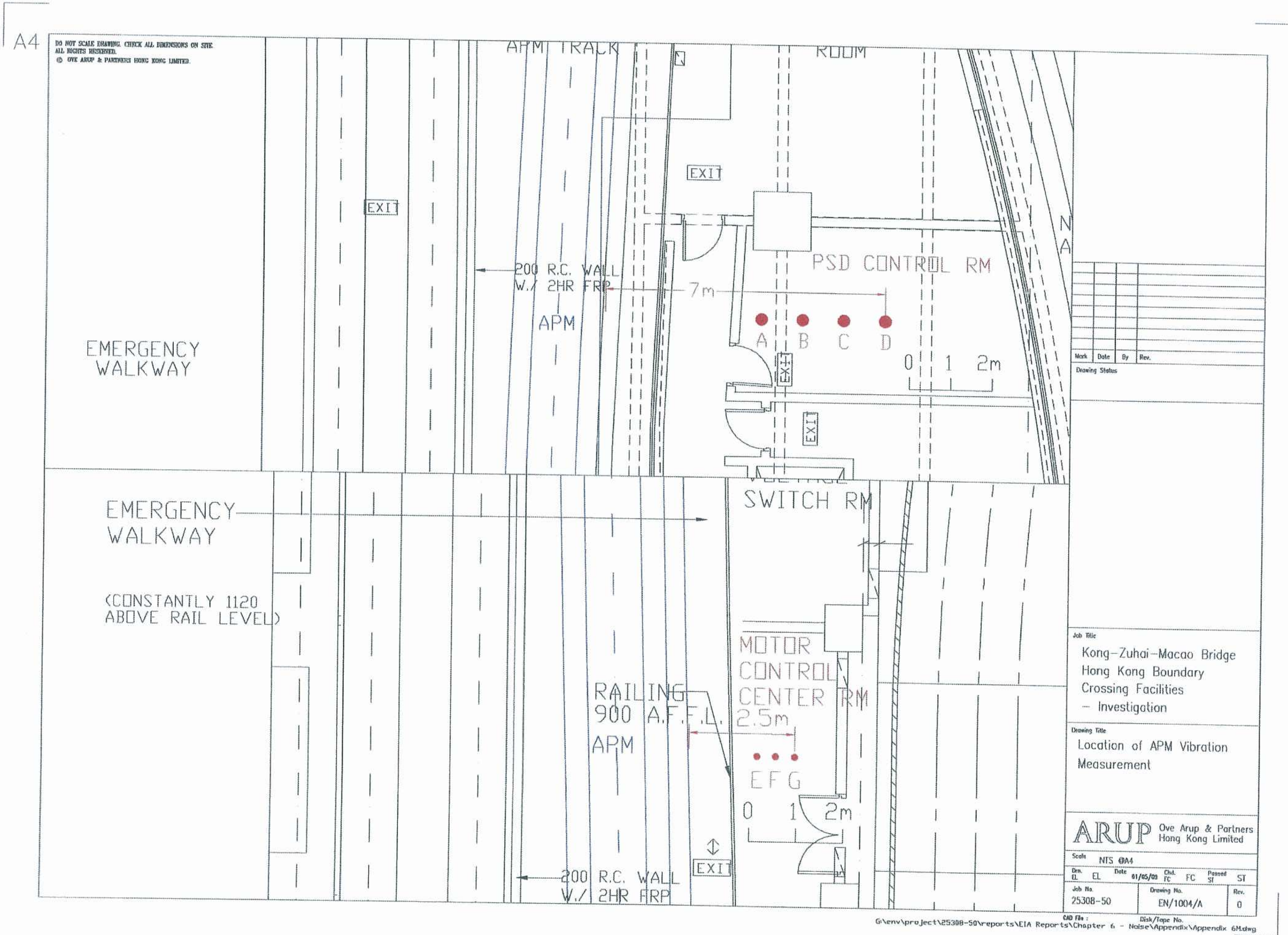
APPENDIX 6O

APM Vibration Measurement Locations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APM TRACK
ROOM
EXIT
EXIT
200 R.C. WALL
W./ 2HR FRP
7m
PSD CONTROL RM
APM
A B C D
0 1 2m
EXIT
EXIT
EMERGENCY
WALKWAY
EMERGENCY
WALKWAY
SWITCH RM
(CONSTANTLY 1120
ABOVE RAIL LEVEL)
MOTOR
CONTROL
CENTER RM
RAILING
900 A.F.F.L.
2.5m
APM
E F G
0 1 2m
EXIT
200 R.C. WALL
W./ 2HR FRP
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Job Title
Kong-Zuhai-Macao Bridge
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– Investigation
Drawing Title
Location of APM Vibration
Measurement
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Scale NTS @A4
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Job No. 25308-50 Drawing No. EN/1004/A Rev. 0
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APPENDIX 6P

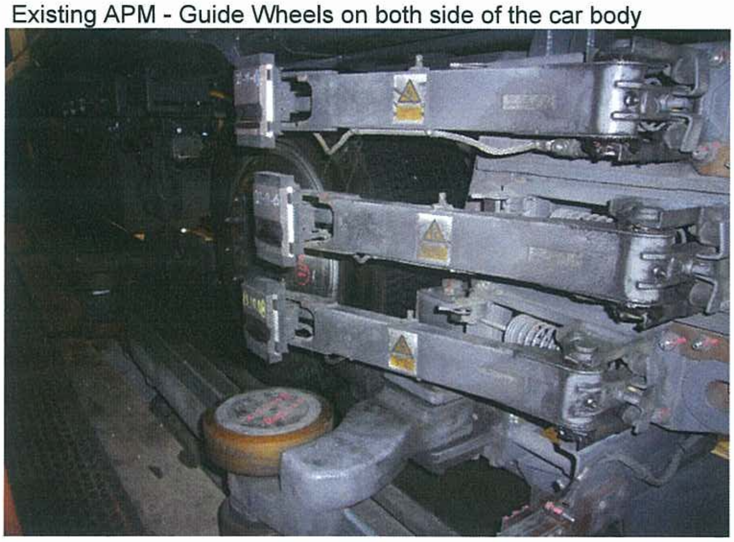
APM Vibration Level Measurement

Project: **25308-50** Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title: Ground-borne noise measurement results

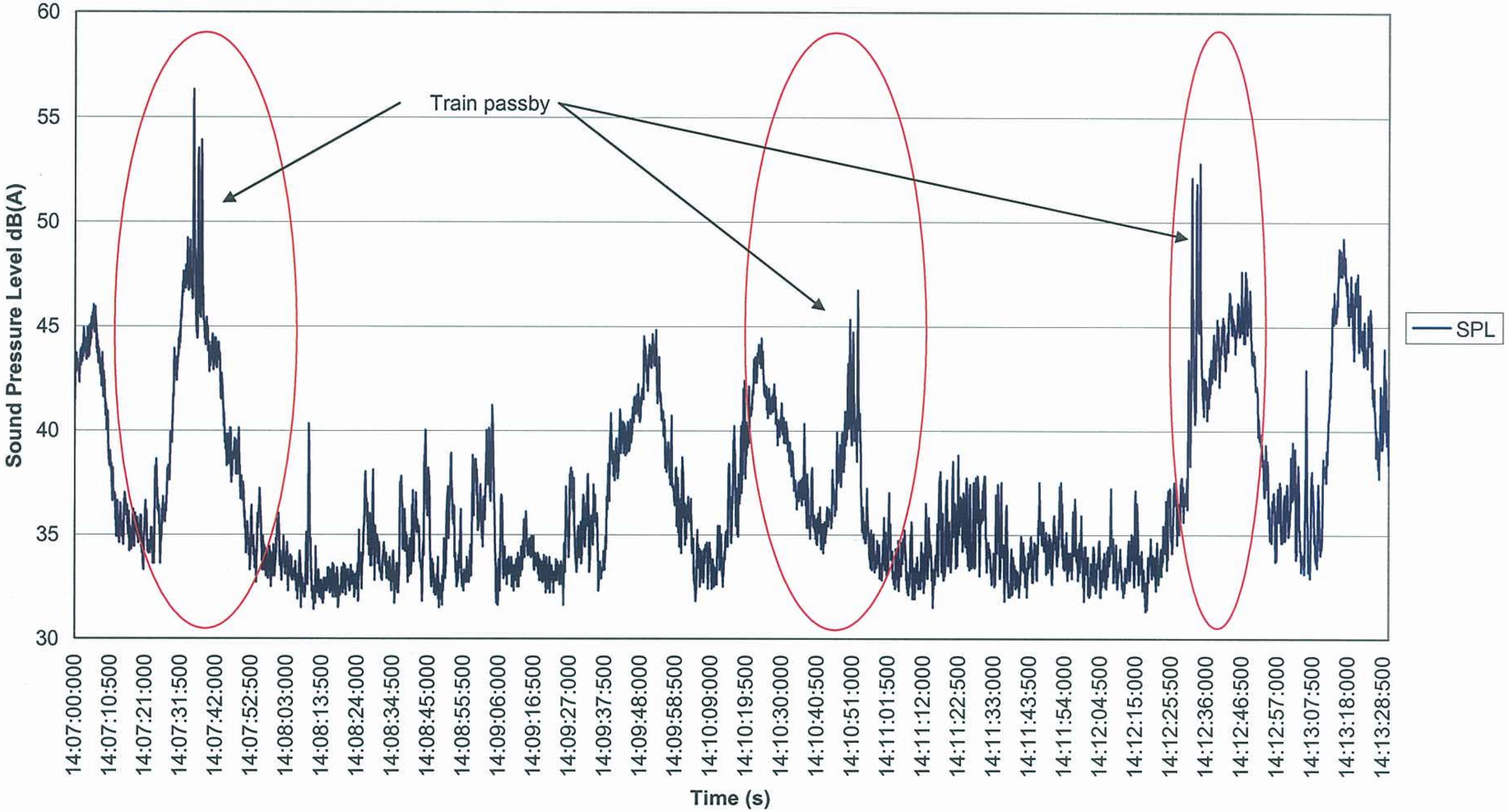
	Measured RMS Velocity Level VdB					
	Trial					
Location	**1**	**2**	**3**	**4**	**5**	**6**
PSD Control Room						
A	69	73	73	74	73	74
B	69	72	71	72	72	72
C	70	73	71	73	72	73
D	69	74	72	75	73	75
Motor Control Center Room						
E	69	68	69	71	69	69
F	68	67	69	70	68	68
G	67	66	68	69	68	68
		Maximum Measured RMS Velocity Level				75

Existing APM - Inflated Tyres and Guide Wheels for APMs

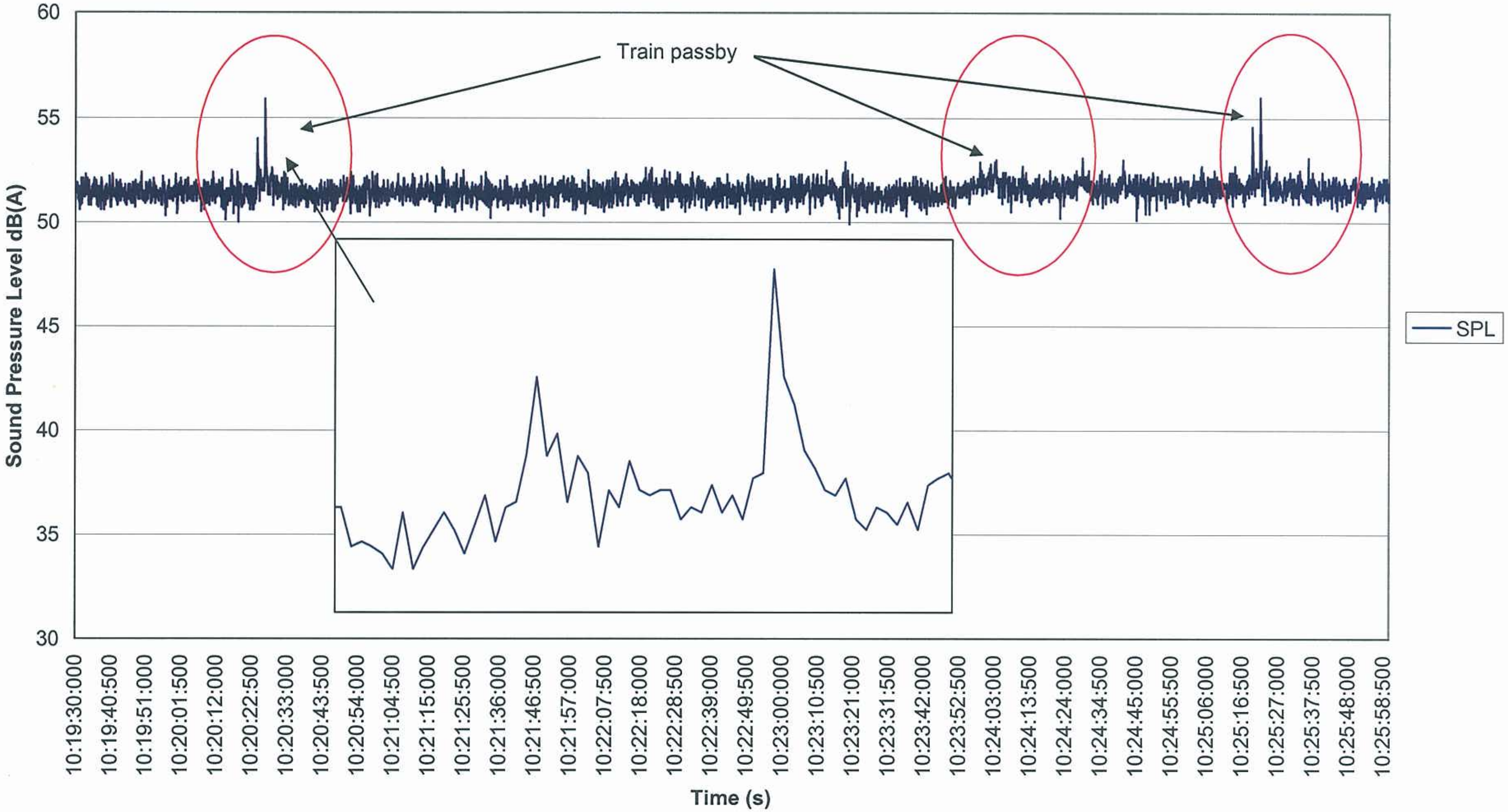
Existing APM - Guide Wheels on both side of the car body



Typical Noise Event at Motor Control Center Room



Typical Noise Event at PSD Control Room



APPENDIX 6Q

APM Groundborne Noise Assessment

Project: Hong Kong-Zhuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation
Title: APM Ground-borne Noise Assessment

Item	Description	Unit	Value	Remark
1	***Establishment of Typical APM Vib Level***			
1.1	RMS Vel Level for a typical AMP pass by event (ref $1x10^{-9}$m/s)	dB	75	Inside Motor Control Centre in basement at 2.5m from existing APM track. A total of 13 APM events were observed. APM speed at 24kph. The 75dB vibration level is the highest event for a very conservative assessment.
1.2	Ref vibration level in in/s	in/s	1.00E-06	
1.3	RMS vib level (re to 1x 10^{-6} in/s)	dB	**47**	Single APM passby at 2.5m from APM track, running at constant speed of 24kph.
1.4	Speed correction	dB	8	The APM speed was 24kph during measurement. The max operatining speed is 62kph. Hence a 20 log correction is applied for conservative assessment
1.5	Corrected vibration level (re to 1x 10-6 in/s)	dB	**55**	
2	***Vehicle Parameters (no additive, apply greatest value only)***			
2.1	Vehicle with stiff primary suspension	dB	8	According to Table 10.1 of Ref [1], a correction of 8dB shall be applied for vehicles with stiff primary suspension. This should have been incorporated during the measurement but are still included for a conservative assessment.
2.2	Resilent wheels	dB	0	Inflated wheels are considered as resilent wheels
2.3	Worn wheels or wheels with flats	dB	10	Table 10.1 of Ref [1] suggests a 10dB correction for worn wheels or wheel flats. This is however not aplicable for the APM's guide wheels. For very conservative assessment, this corr is included in the assessment.
2.4	Subtotal for Item 2	dB	**10**	
3	**Track Conditions (not additive, apply greatest value only)**			
3.1	Worn or corrugated track	dB	10	Table 10.1 of Ref [1] suggests a 10dB correction for worn wheels and track. This is however not aplicable for the APM's guide wheels. For very conservative assessment, this corr is included in the assessment.
3.2	Special trackform	dB	10	Table 10.1 of Ref [1] suggests a 10dB correction for special trackform. This is however not aplicable for the APM's guide wheels. For very conservative assessment, this corr is included in the assessment.
3.3	Joint track or uneven road surface	dB	5	Table 10.1 of Ref [1] suggests a 5dB correction for rough roads.
3.4	Subtotal for Item 3	dB	**10**	
4	**Track Elements (not additiive, apply greatest value only)**			
4.1	Floating slab trackbed	dB	0	Table 10.1 of Ref [1] recommends -15dB correction. However, this is not applicabel to APM.
4.2	Ballast mats	dB	0	Table 10.1 of Ref [1] recommends -10dB correction. However, this is not applicabel to APM.
4.3	High resilience fasteners	dB	0	Table 10.1 of Ref [1] recommends -5dB correction. However, this is not applicabel to APM.
4.4	Resiliently supported ties	dB	0	Table 10.1 of Ref [1] recommends -10dB correction. However, this effect has been incorporated during the vibration measurements and hence a 0dB correction would be adopted.
4.5	Subtotal for Item 4	dB	**0**	
5	***Correction for Ditance & Geological Conditions***			
5.1	Distance from future APM to receiver	m	20	Horizontal separation from future APM to the receiver is 5m. Only horizontal distance is considered for conservative assessment
5.2	Corr factor for distance attenuation and geological conditions	dB	0	For conservative assessment, a 0dB correction factor is assumed for distance attenuation and geological conditions. (NB the measurements were conducted within concrete buildings.)
5.3	Geological conditions	dB	4	The measurements were conducted in connected concrete slab and hence has included an efficient vibration transfer. For a conservative assessment, a +4dB correction is included to accout for the propagation in rock layer for a distance of 33m (or 100ft)
5.3	Subtotal for Item 5	dB	**4**	
6	***Other Correction Factors***			
6.1	Resiliently supported ties	dB	0	APM is actually on inflated wheels and only the side guide wheels would generate limited vibration. This factor should have been incorporated during the measurement.
6.3	Coupling for building foundation	dB	0	According to Table 10.1 of Ref [1], a correction factor of -10dB is appropriate. For a conservative assessment however, a 0dB correction is adopted.
6.4	Floor-to-Floor Attenuation	dB	-2	According to Table 10.1 of Ref [1], a correction factor of 1 - 2dB /floor is appropriate. Since the nearest receiver is on the 1/F, a 2dB correctionis applied.
6.5	Amplification of floors etc	dB	6	See Table 10.1 of Ref [1]
6.6	Safety Factor	dB	3	
6.6	Subtotal for Item 6	dB	**7**	
7	***Correction Factors for Noise Levels***			
7.1	Vibration level	dB	**86**	
7.2	Conversion factor from rms vib level to SPL	dB	-35	Measurement reveals that the peak freq is from 30 - 60Hz. Hence, according to Table 10.1 of Ref [1], correction factor is -35dB
7.4	Corr factor for train frequency	dB(A)	11	Future headway of 13 / direction / 30 mins
7.5	Corr factor for 2 simultaneous pass-by	dB(A)	3	There would be 2 tunnel tubes for the future APM.
7.6	Corr for 30 mins	dB(A)	-23	For a 62 kph (17m/s) speed and a total car length of 39m, the time for pass by is about 6 sec. Taking into account of the noise before the train arrives and leaves, it is very conservative to assume a total period of 10s. Hence the correction is 10log(10 / 30 x 60).
7.7	Total L_{eq} 30 min at receiver	dB(A)	**43**	
8	***Total Noise Impacts on Receivers***			
8.1	Criterion - Daytime	dB(A)	60	
8.2	Exceedance - Daytime	dB(A)	0	Comply with daytime criterion
8.3	Criterion - Night-time	dB(A)	50	
8.4	Exceedance - Night-time	dB(A)	0	Comply with night-time criterion (NB daytime headway is assumed for night-time for conservative assessment)

Ref [1] US Federal Transit Administration " Transit Noise and Vibration Impact Assessment", Table 10.1. Adjustment Factors for Genalised Predictions of Ground-borne Vibration and Noise

Note for Existing APM
1. Inflated wheels with rubber type guide wheels
2. 4-car arrangement (fixed), total length of about 39m
3. A total weight of about 52 tonne (net car weight). With passengers, the total weight would be up to 76 tonne.
3. max operating speed = 62kph

APPENDIX 6R

Locations of Prevailing Background Noise Measurement

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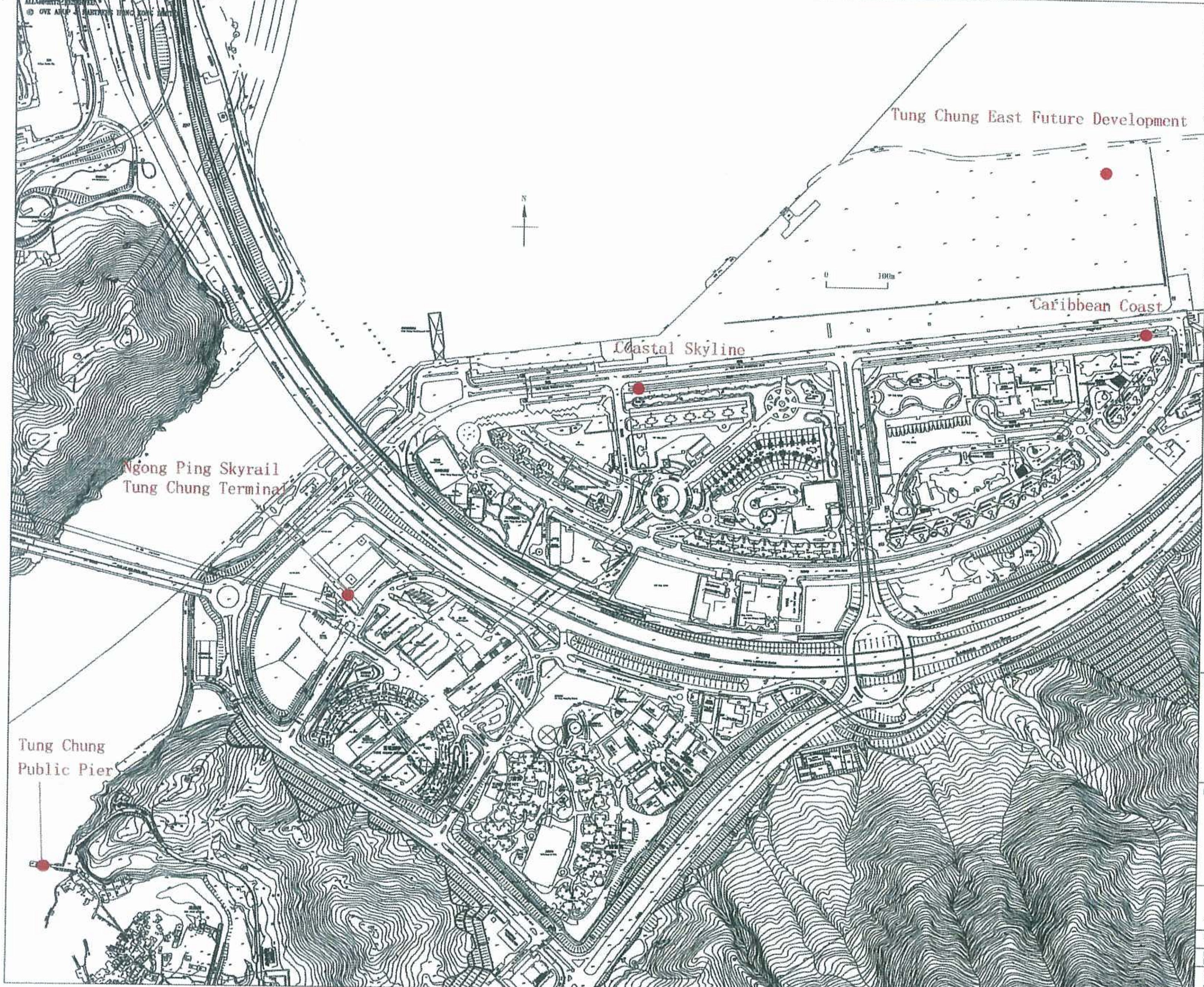

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Locations of Prevailing
Background Noise
Measurement

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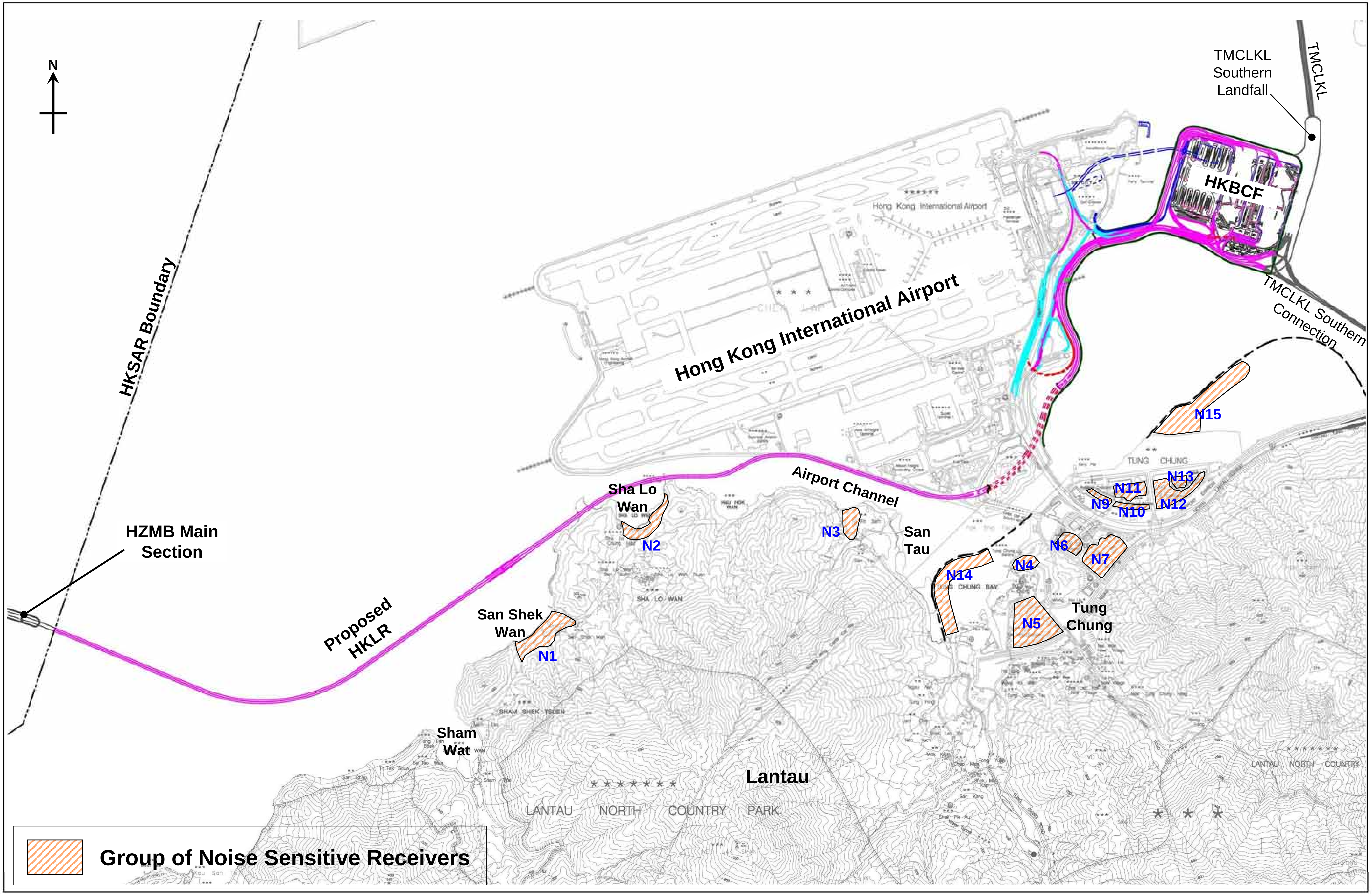

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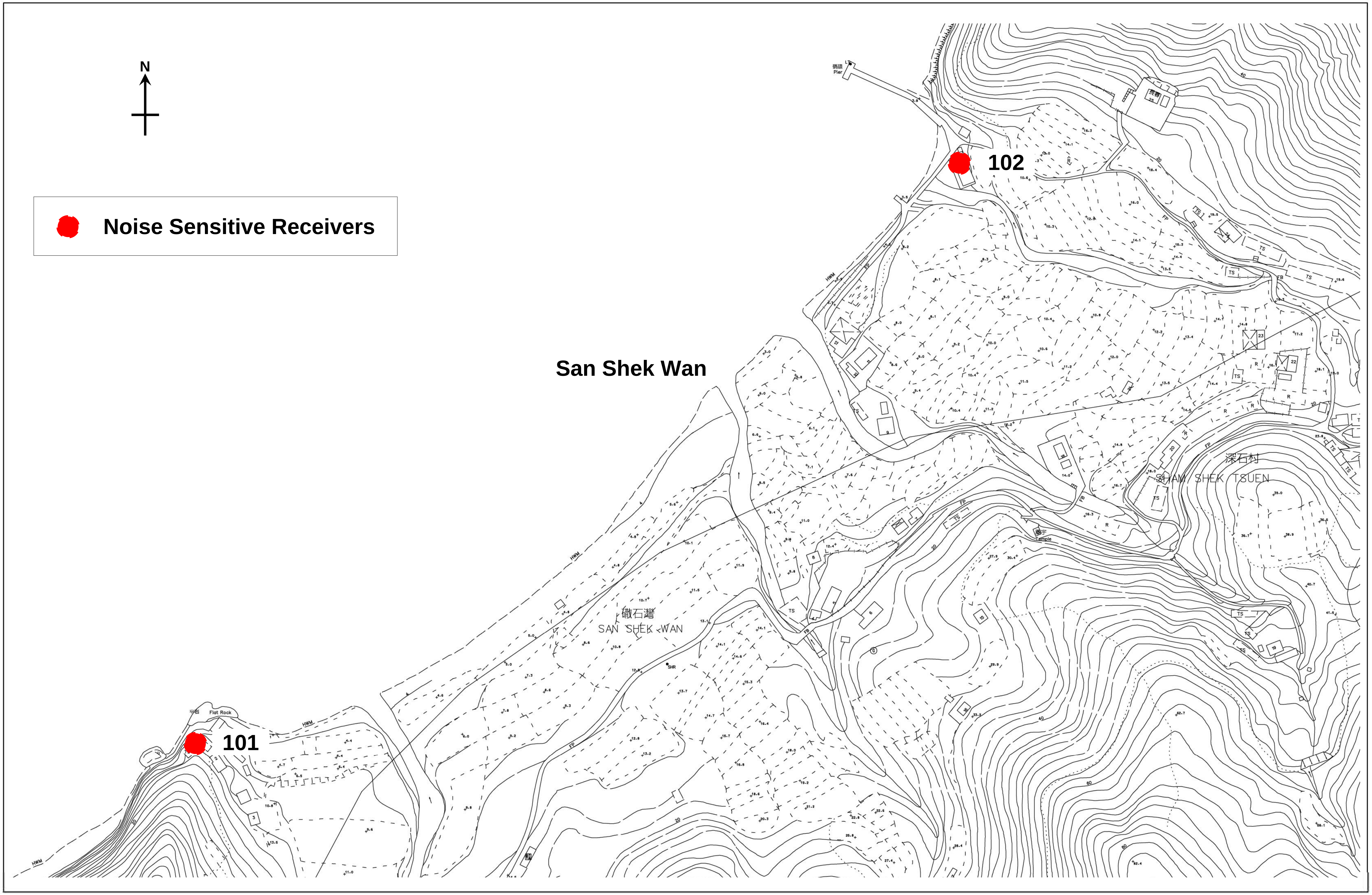
Locations of Noise Sensitive Receivers

Drawing No.

Figure 6.1a



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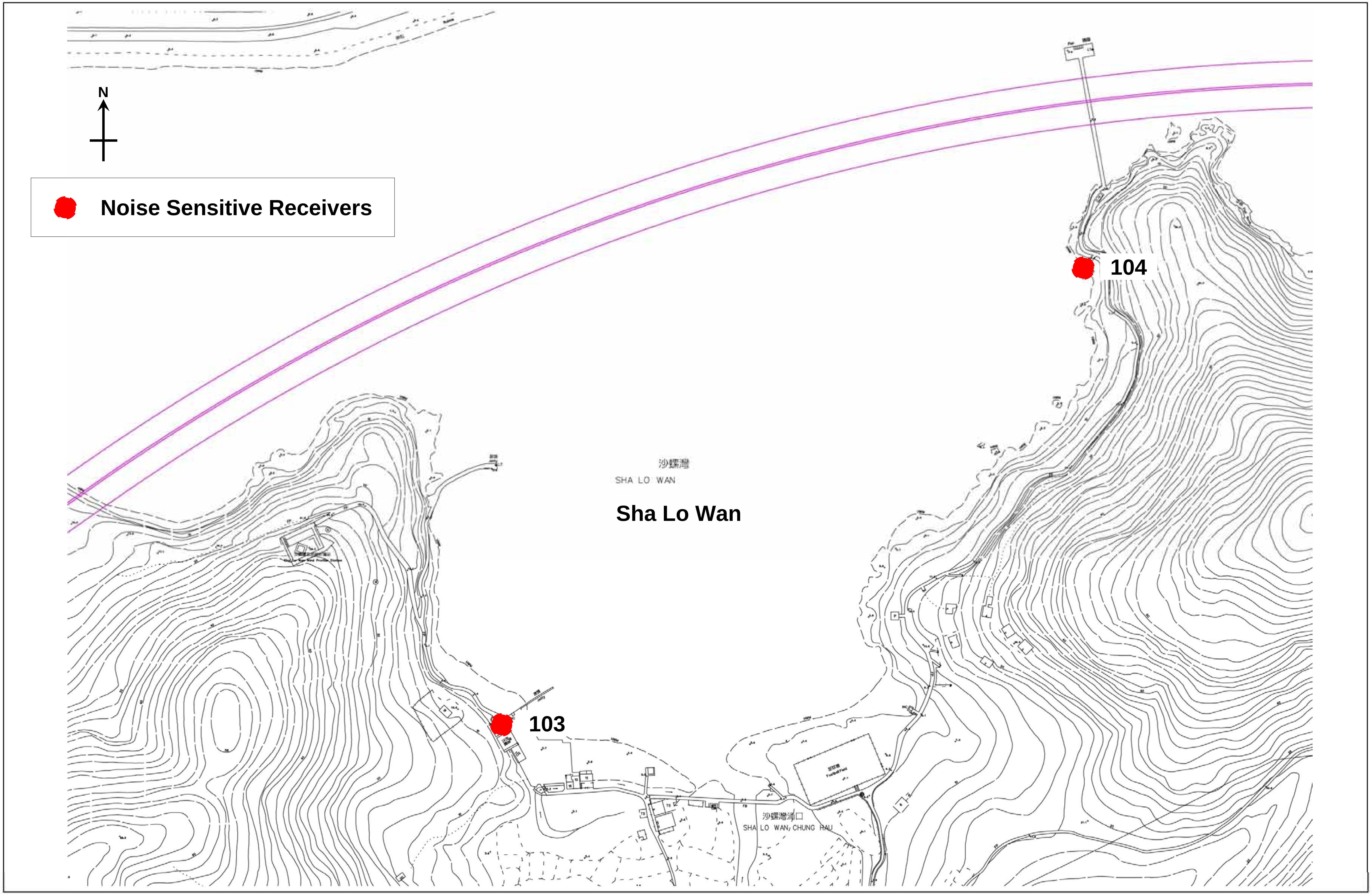
Noise Sensitive Receivers in Group N1

Drawing No.

Figure 6.1b



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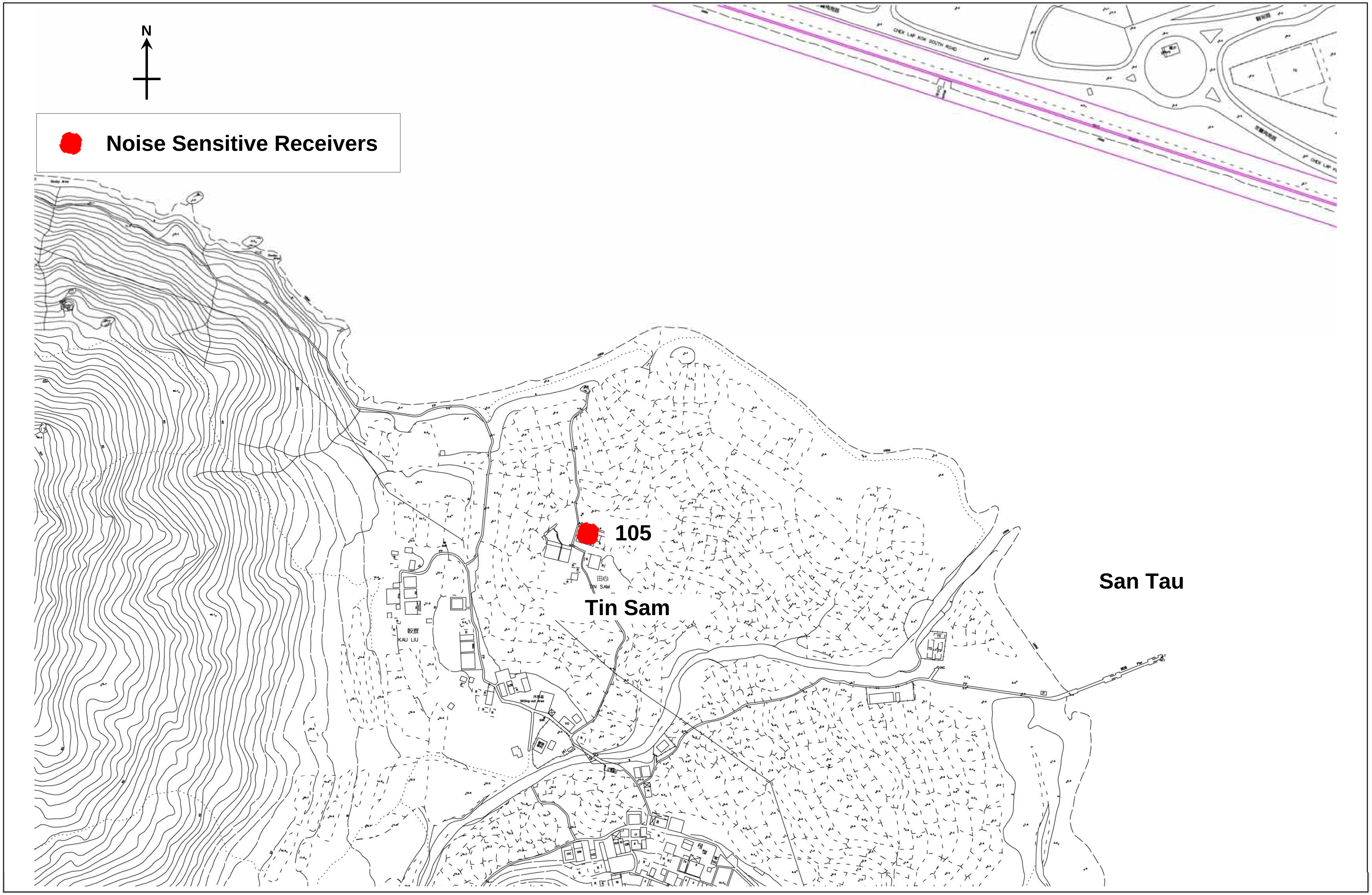
Noise Sensitive Receivers in Group N2

Drawing No.

Figure 6.1c



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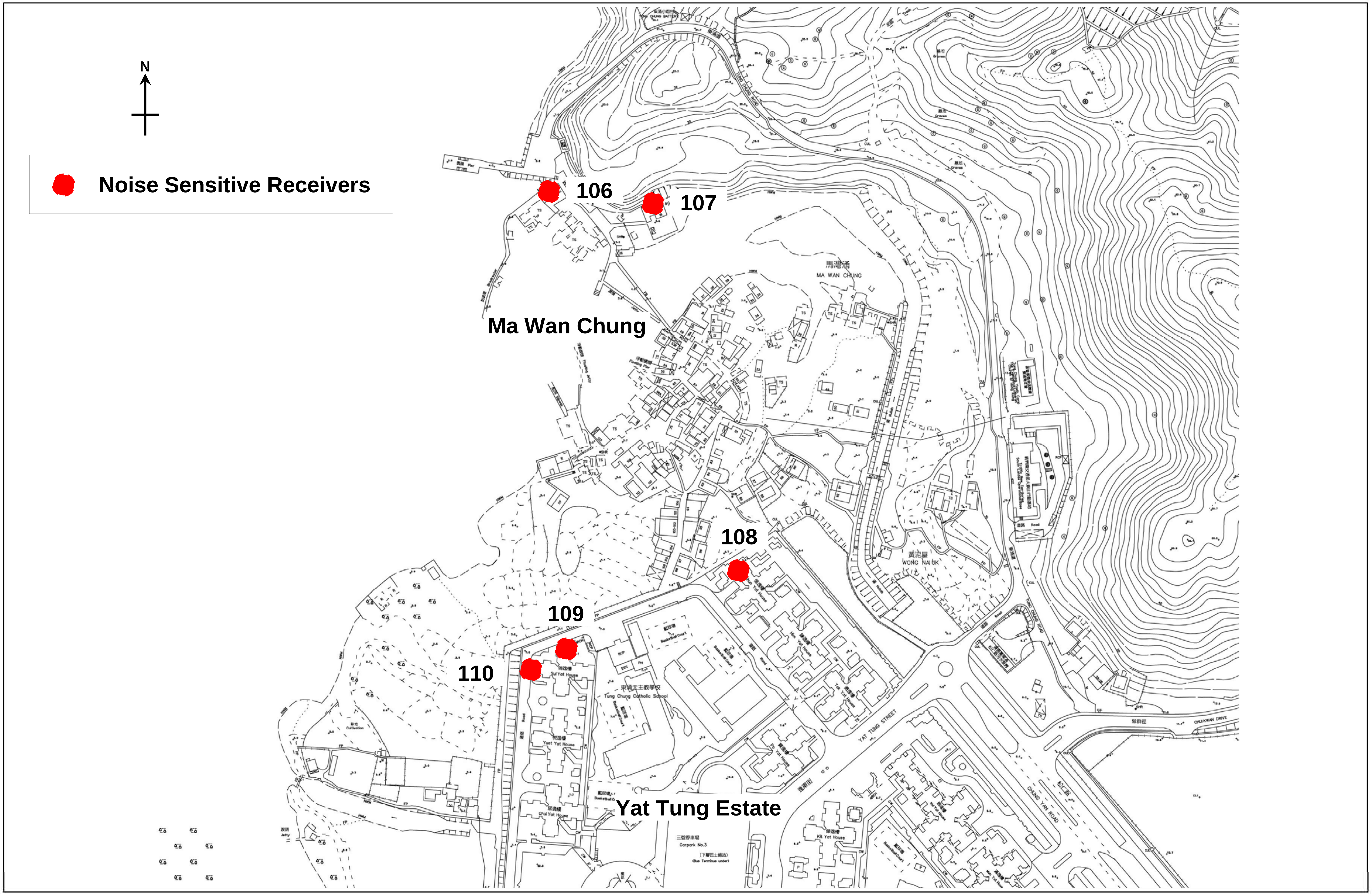
Drawing Title

Noise Sensitive Receivers in Group N3

Drawing No.

Figure 6.1d



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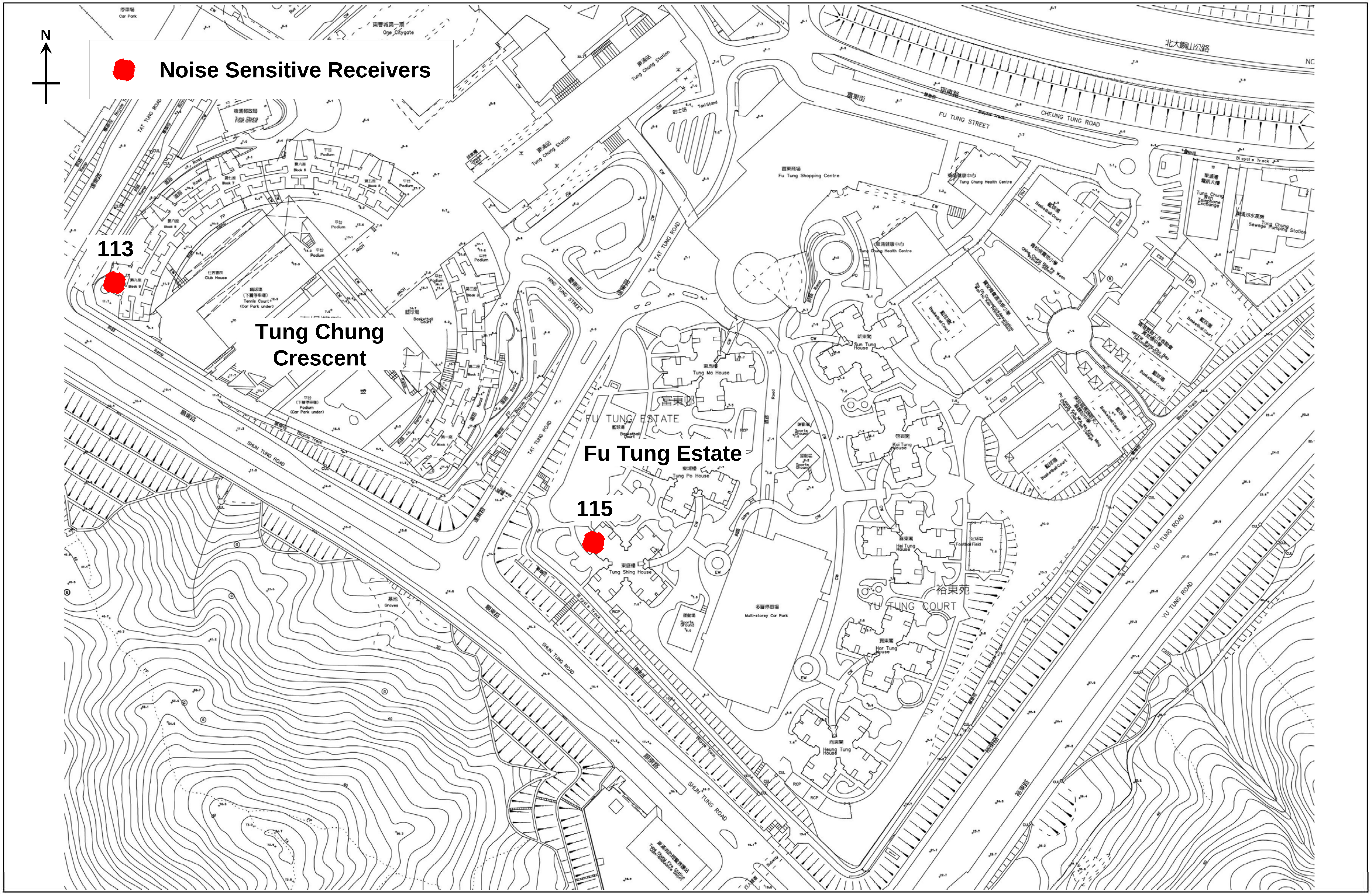
Drawing Title

Noise Sensitive Receivers in Groups N4 and N5

Drawing No.

Figure 6.1e



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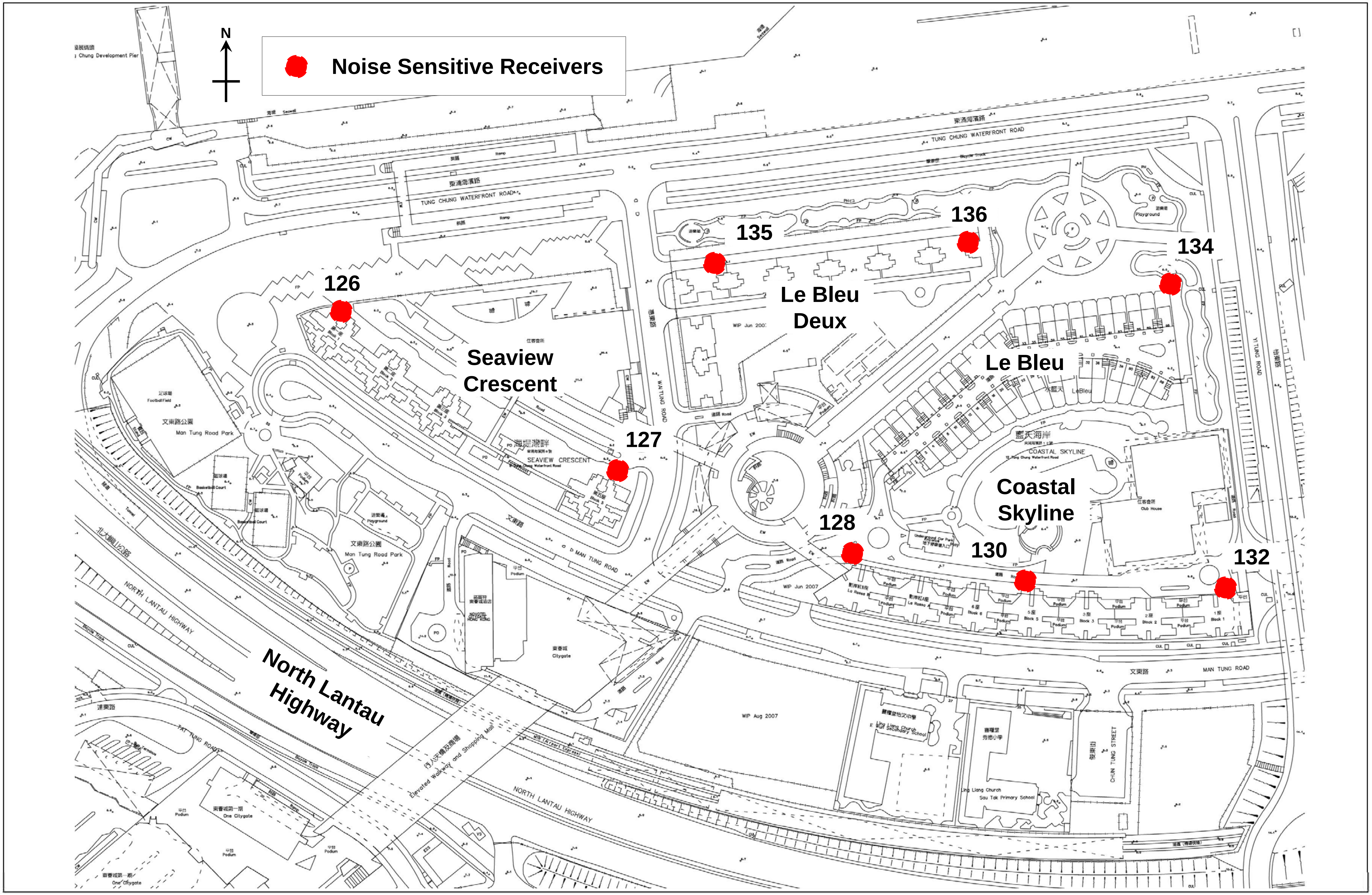
Drawing Title

Noise Sensitive Receivers in Groups N6 and N7

Drawing No.

Figure 6.1f



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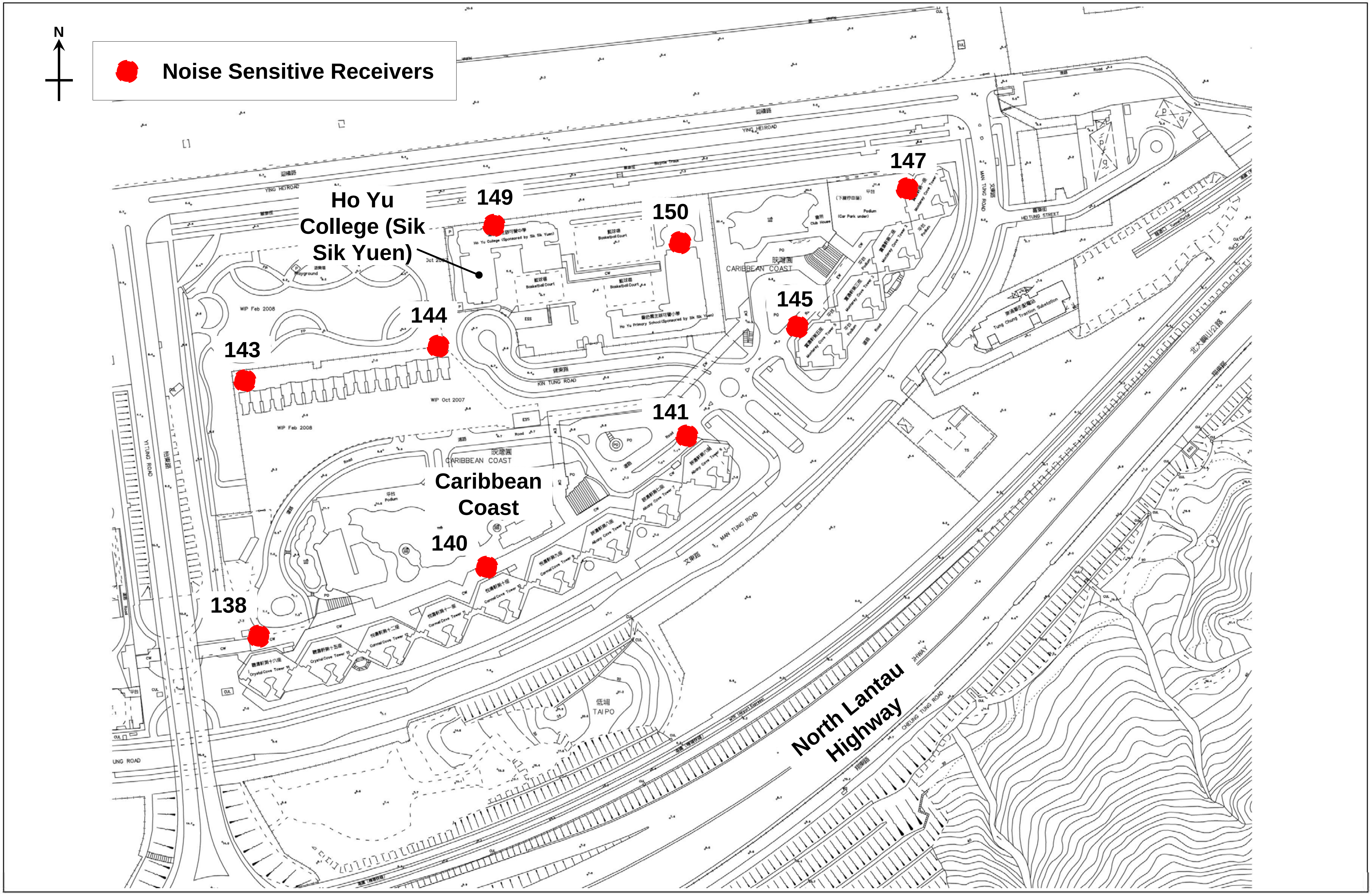
Drawing Title

Noise Sensitive Receivers in Groups N9 and N11

Drawing No.

Figure 6.1g



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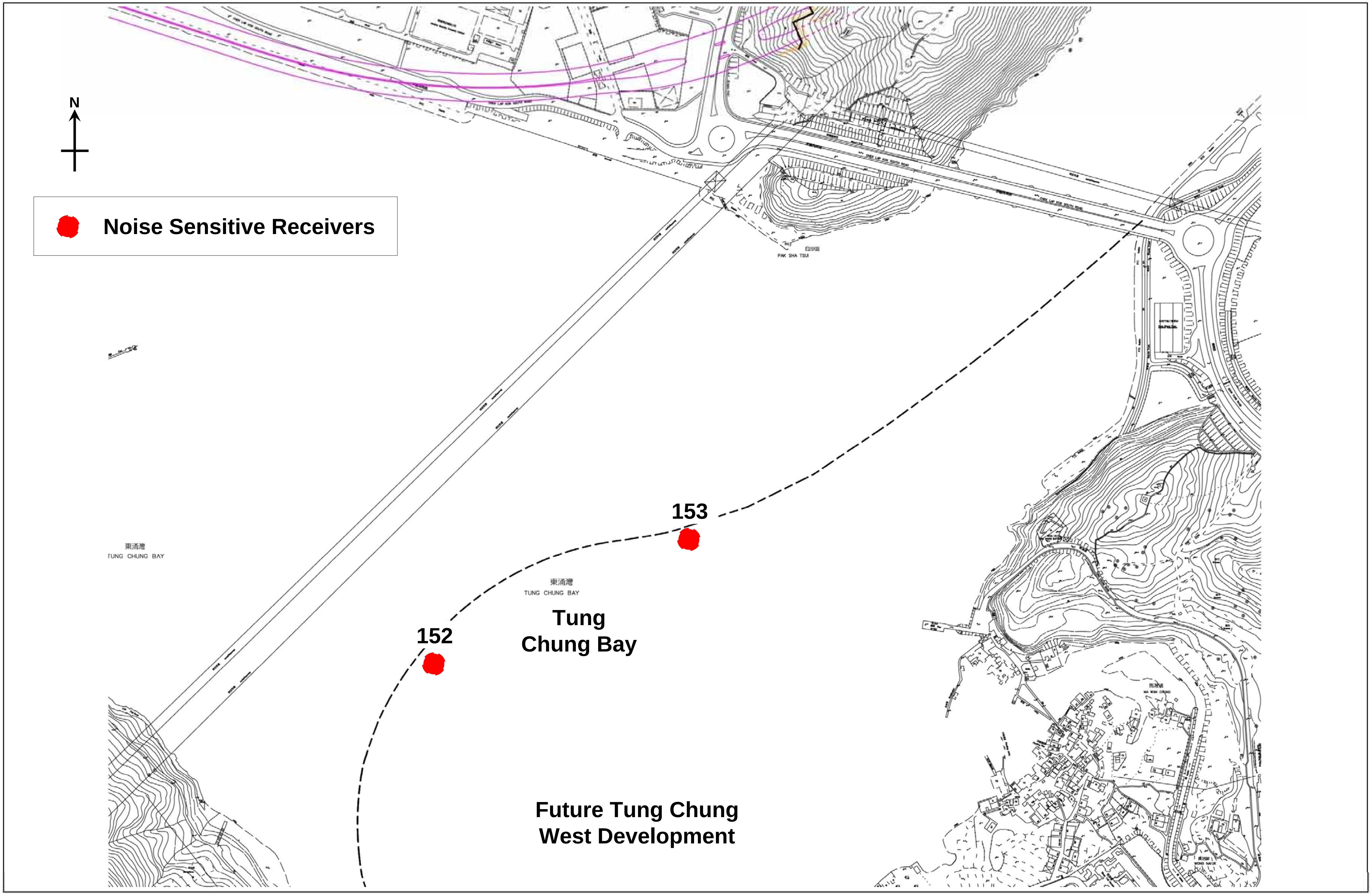

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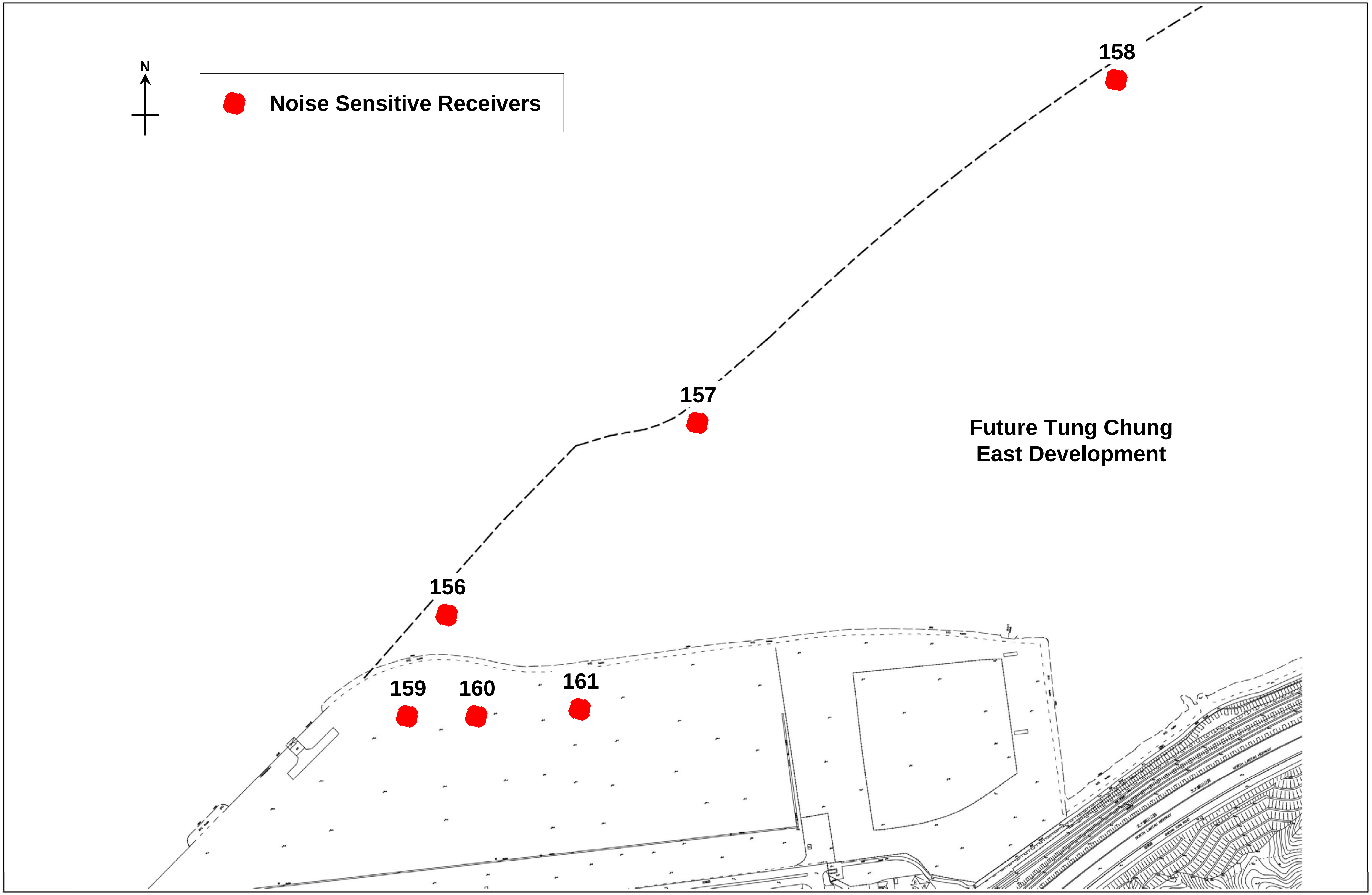
Drawing Title
Noise Sensitive Receivers in Group N14

Drawing No.
Figure 6.1i



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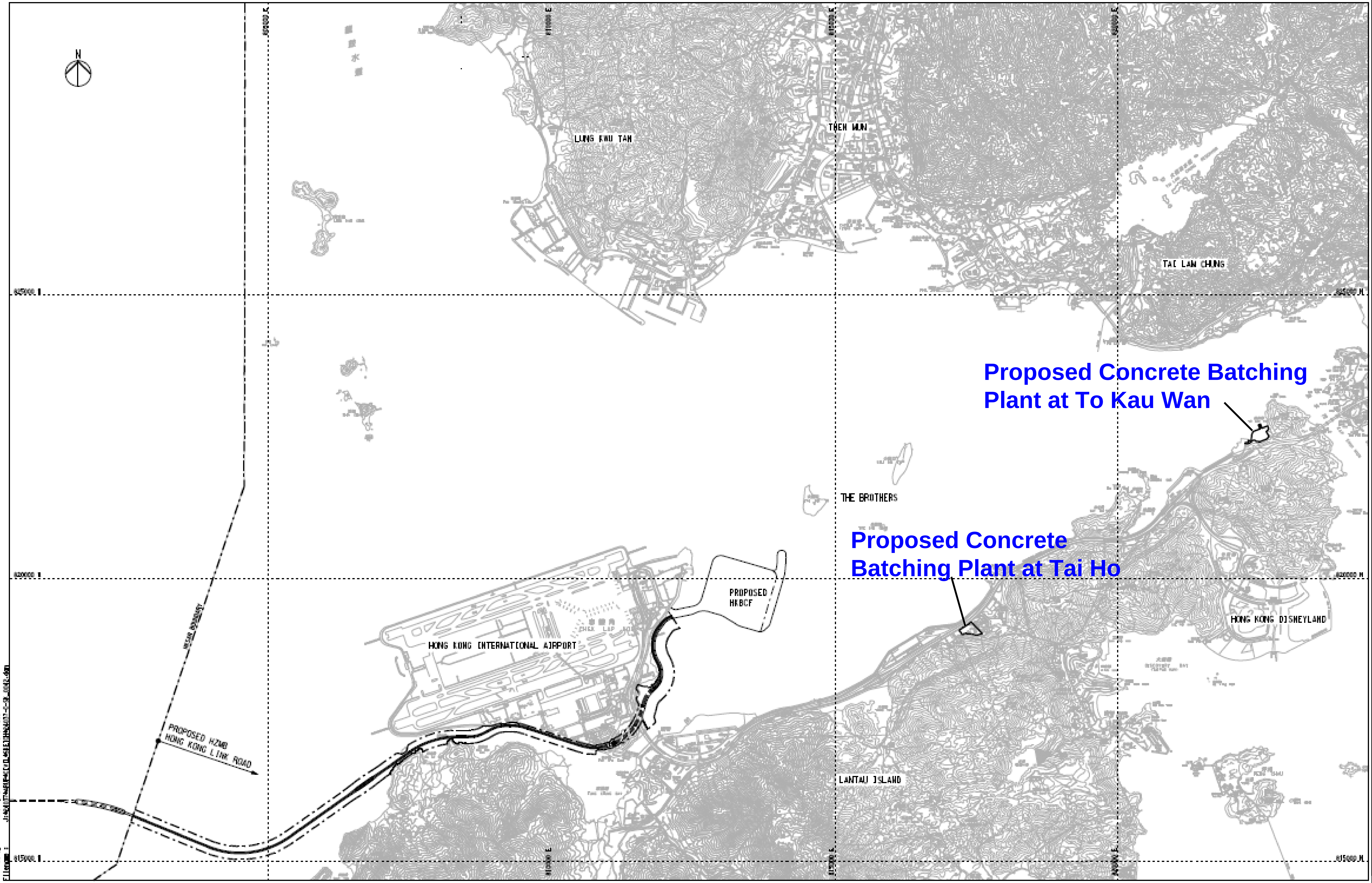
Drawing Title

Noise Sensitive Receivers in Group N15

Drawing No.

Figure 6.1j



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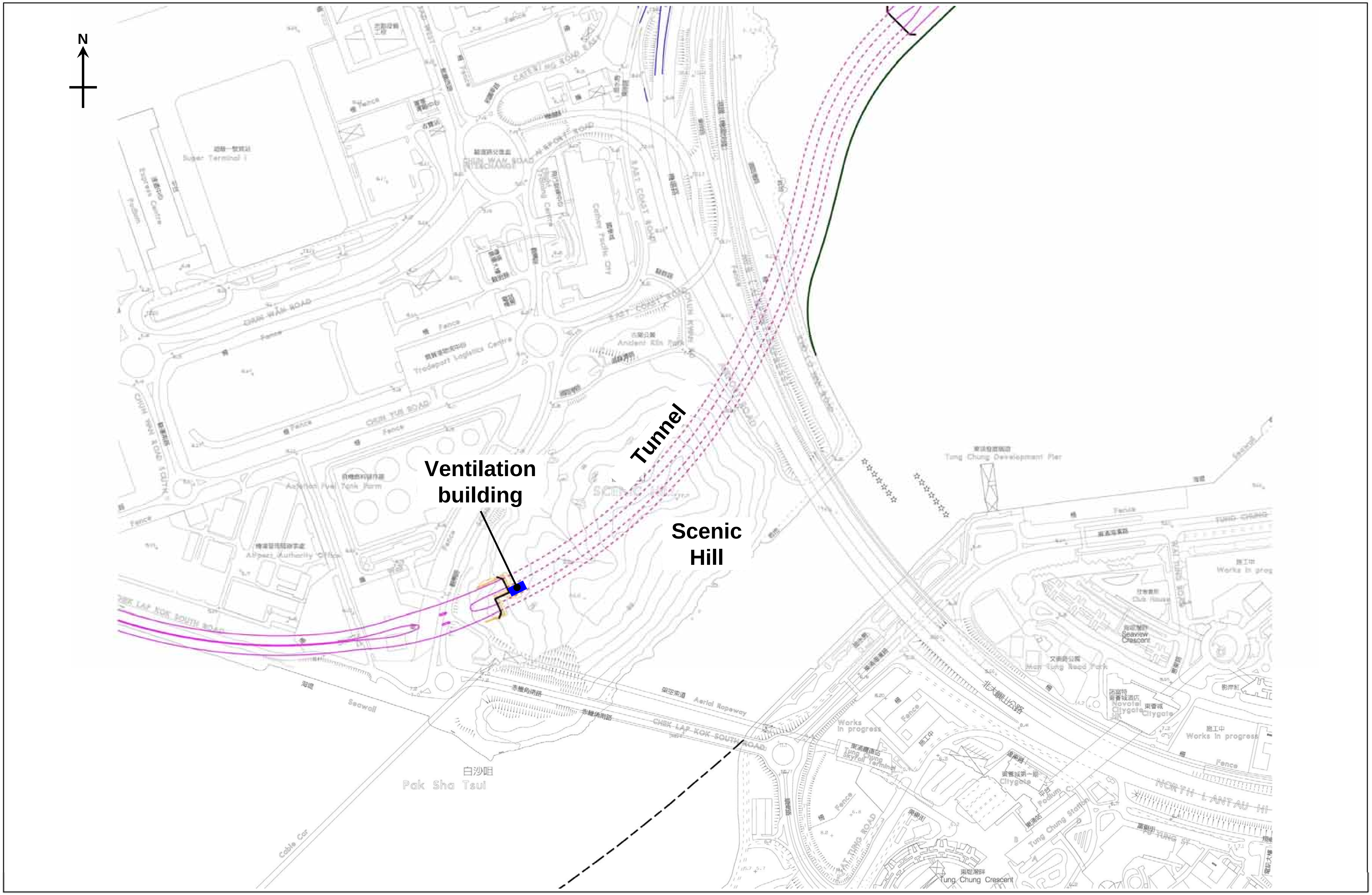

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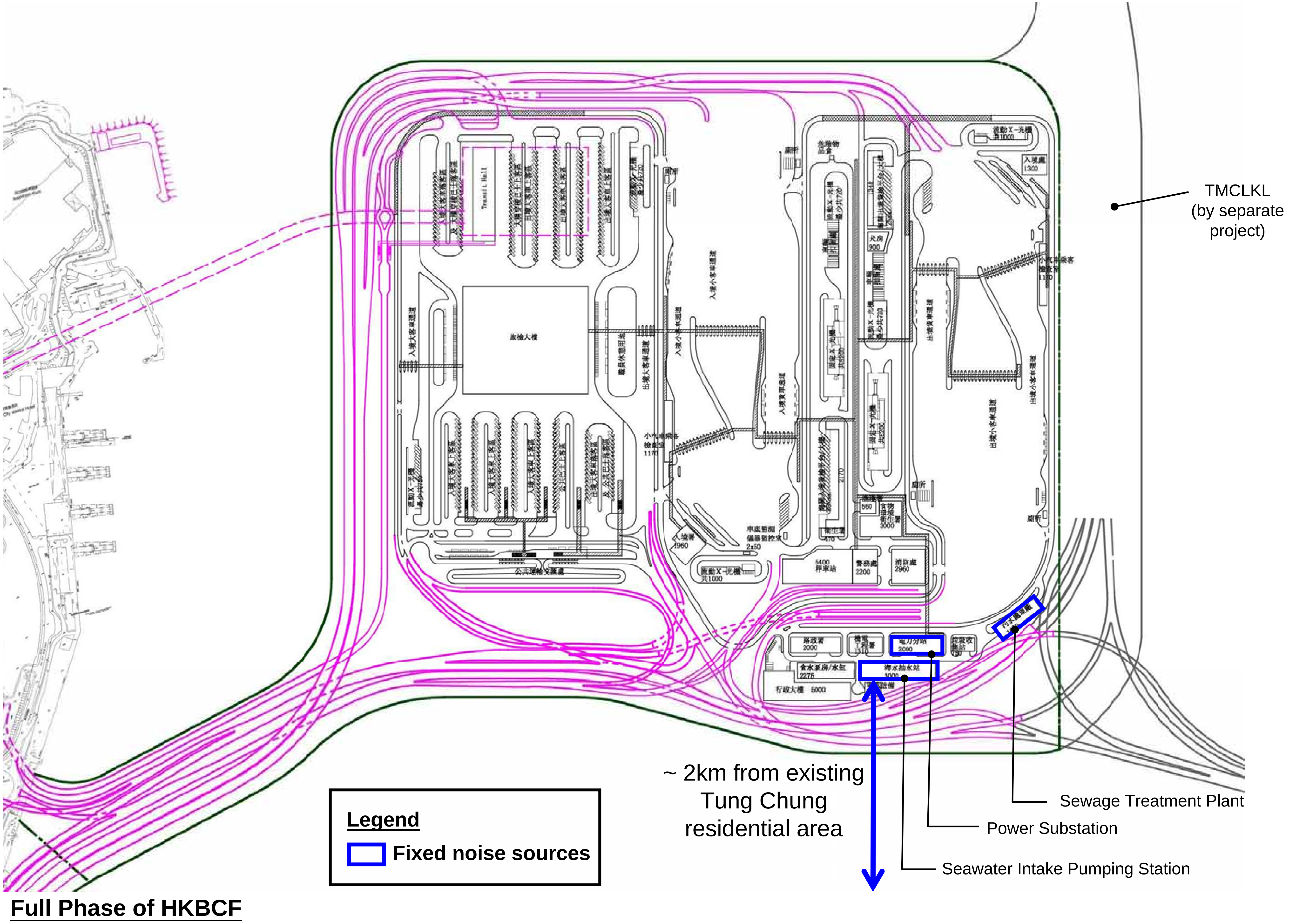
Drawing Title

Location of the Ventilation Building at Scenic Hill

Drawing No.

Figure 6.3



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Drawing Title

Location of the Fixed Noise Sources

Drawing No.

Figure 6.4