



Agreement No. CE 5/2018 (CE)

Development of Lok Ma Chau Loop: Main Works Package 1 – Design and Construction

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Traffic Noise Mitigation Plan

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AECOM ASIA COMPANY LIMITED

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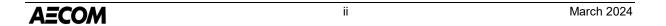
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1. INTRODUCTION

1.1 Background and Objective of this Traffic Noise Mitigation Plan

- 1.1.1 As a result of the training of Shenzhen (SZ) River, which serves as the administrative boundary between Hong Kong Special Administrative Region (HKSAR) and SZ, an area of about 87 hectares, previously lying to the north of the river course, became situated to the south of the re-aligned river and therefore within the boundary of the HKSAR. This area, commonly known as the Loop, was once used as a dumping ground for mud dredged from the river regulation works.
- 1.1.2 The Loop is located near several major cross-boundary transport nodes including the Lok Ma Chau Boundary Control Point, the MTR Lok Ma Chau Station of the Lok Ma Chau Spur Line and the San Tin Interchange. To the north across SZ River is the Huanggang Control Point of SZ. To the southwest is the Mai Po Nature Reserve and to the east is Hoo Hok Wai, comprising fish ponds of high ecological value.
- 1.1.3 The Loop development is one of the ten major infrastructure projects announced in the 2007-08 Policy Address for economic growth. The Planning and Engineering Study (P&E Study), Agreement No. CE 53/2008 (CE) "Planning and Engineering Study on Development of Lok Ma Chau Loop Investigation", funded under PWP Item No. 735CL, was completed in 2014. The P&E Study investigated the feasibility of and formulated a comprehensive development plan for the Loop, taking into account the prevailing planning circumstances and public views collected through public engagement.
- 1.1.4 The P&E Study development plan comprises Designated Projects under Schedule 3 of the Environmental Impact Assessment Ordinance (EIAO). In October 2013, the Environmental Impact Assessment (EIA) Report for the Loop development (AEIAR-176/2013) was approved by Director of Environmental Protection (DEP) pursuant to the EIAO. The Environmental Permit (EP) (EP No. EP-477/2013) for the Loop to construct and operate the relevant Designated Projects (DP) was granted by DEP on 22 November 2013. An application for a Variation of Environmental Permit (VEP) (VEP No.: VEP-595/2021) was submitted on 16 July 2021 and the Environmental Permit (EP No.: EP-477/2013/A) was issued by DEP on 12 August 2021. An application for a VEP (VEP No.: VEP-629/2023) was submitted on 4 December 2023 and the Environmental Permit (EP No.: EP-477/2013/B) was issued by DEP on 29 December 2023. Predicted unmitigated operational road traffic noise in 2042 was extracted from approved EIA report in Appendix 1.1, which demonstrated the necessity of the noise barriers for the noise sensitive receivers along Ha Wan Tsuen Road, Lok Ma Chau Road and Direct Road Link. Based on the data above, a set of traffic noise mitigation measures was developed based on the latest engineering design (Appendix 1.2 refers).

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- 1.1.5 Pursuant to Condition 2.22 (a) of EP-477/2013/B, to mitigate operation stage noise impact, the following noise mitigation measure shall be implemented. Traffic noise mitigation measures including noise barriers and low noise road surfacing at the connecting roads including Ha Wan Tsuen Road, Lok Ma Chau Road and Direct Road Link for the Project shall be implemented during the operation stage of the Project. The Permit Holder shall, no later than one month before the commencement of construction of the traffic noise mitigation measures for the Project, deposit with the DEP three hard copies and one electronic copy of a Traffic Noise Mitigation Plan (TNMP). The TNMP shall include design details of the traffic noise mitigation measures, locations of noise barriers and low noise road surfacing, dimensions of noise barriers, traffic noise mitigation performance and aesthetic design of noise barriers. The TNMP will demonstrate that the traffic noise performance requirements set out in the approved EIA report (Register No.: AEIAR-176/2013) will not be exceeded or violated with the mitigation measures in place. Before submission to the DEP, the TNMP shall be certified by the ET Leader and verified by the IEC as conforming to the relevant information and recommendations contained in the EIA Report and application document for variation of an environmental permit (Application No. VEP-595/2021). All measures as recommended in the TNMP under this condition shall be fully and properly implemented and maintained.
- 1.1.6 This report will form the required submission to the Environmental Protection Department (EPD) for measures to mitigate operation stage noise impact and fulfil the requirement of Condition 2.22 (a) of EP-477/2013/B.

2. REVIEW ON OPERATION PHASE NOISE TRAFFIC MITIGATION MEASURES

2.1 Introduction

2.1.1 This section reviews and addresses potential noise impacts during the operation stage of the Project.

2.2 Environmental Legislation, Standards and Criteria

- 2.2.1 The criteria for road traffic noise are stipulated in Annex 5, Table 1A "A Summary of Noise Criteria" of the Technical Memorandum on Environmental Impact Assessment Process (EIAO-TM), which defines the criteria L_{10(1 hour)} for the road traffic noise at various noise sensitive receivers (NSRs). The relevant criteria are listed below:
 - 70 dB(A) at 1m from the external façades of residential dwellings; and
 - 65 dB(A) at 1m from the external façades of schools, places of public worship.

2.3 Representative Noise Sensitive Receivers

2.3.1 The approved Lok Ma Chau Loop (LMCL) EIA Report has identified various NSRs. The NSRs located in the vicinity of the Ha Wan Tsuen Road, Lok Ma Chau Road and Direct Road Link are identified as representative NSRs. Their locations are shown in **Figure 1.1** and **Appendix 2.1** and details are summarised in **Table 2.1** below.

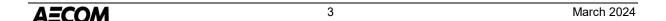


Table 2.1 Details of Representative Noise Sensitive Receivers

Location of NSRs	Noise Assessment Point ID	Use	Remark
Ha Wan Fisherman San Tsuen	HWFST-2	Residential	Retain
Ha Wan Tsuen ^{1,3}	HWT-3 to HWT-8	Residential	Will be removed due to land resumption
	HWTR-1 to 18	Residential	Will be removed due to land resumption
Ha Wan Tsuen Road ^{1,2,3}	HWTR-20	Residential	Will be removed due to land resumption
	HWTR-21	Residential	No longer exist
	HWTR-22 to HWTR-23	Residential	Will be removed due to land resumption
	LMCR-1 to LMCR-11	Residential	LMCR-1 to 7 will be removed due to land resumption. LMCR-8 to 11 will be retained.
LMC Road ^{1,2,3,4}	LMCR-12	Residential	No longer exist
	LMCR-14 to LMCR-15	Residential	Retain
	LMCR-16	Residential	No longer exist
	LMCR-17	Residential	Will be removed due to land resumption
LMC San Tsuen ³	LMCST-1 to LMCST- 2	Residential	Retain
San Sham Road ¹	SSR-1 to SSR-2	Residential	Will be removed due to land resumption

Remarks:

- NSRs No. HWT-3 to 8, HWTR-1 to 18, 20, 22, 23, LMCR-1 to 7, 17, SSR-1, and SSR-2 will be removed due to land resumption.
- 2. NSRs No. LMCR-12, LMCR-16 and HWTR-21 no longer exists.
- 3. HWT-3, HWT-7, HWTR-1, HWTR-2, HWTR-4 to 6, HWTR-8, HWTR-17, LMCR-1, LMCR-5, LMCR-17, LMCST-1 were divided into two parts (a and b), please refer to **Appendix 1.1** for detail.
- 4. LMCR-4 was divied into three parts (a, b and c), please refer to Appendix 1.1 for detail.
- 2.3.2 During the meeting of the Committee on Innovation, Technology and Industry Development (CITID) on 7 August 2023, the Secretary for Innovation, Technology and Industry briefed the members on the development of the San Tin Technopole, including the new sites for innovation and technology (I&T) use in the San Tin area and the Hong Kong-Shenzhen Innovation and Technology Park at the Loop. A Recommended Outline Development Plan (RODP) and a tentative phasing development plan of San Tin Technopole (Figure 1.2) for the area was formulated and was discussed at the meeting of the Development Panel of the Legislative Council on 23 May 2023. Further to the planning, some existing structures alongside the Ha Wan Tsuen Road and the vicinity of Lok Ma Chau Road, i.e. existing NSRs, will be affected and the Government will proceed the land clearance process. Based on the tentative phasing development plan of San Tin Technopole, it is assumed in this report that the concerned NSRs affected by the development of the San Tin Technopole would be removed by 2027 as a result of the land resumption. After the land resumption under the San Tin Technopole Project, only NSRs HWFST-2, LMCR-8 to 11, 14, 15 and LMCST-1 and 2 would still exist along the Ha Wan Tsuen

Road, Lok Ma Chau Road and Direct Road Link. In this regard, the already installed temporary noise barriers would be relocated, if needed, and maintained during construction phase until the time of removal of the concerned NSRs, which are assumed in this report to be removed by 2027. This is to optimise the use of the installed noise barriers for fulfilling the requirements in the VEP, subject to any modifications and/or changes which are required in the future.

2.3.3 For noise impact assessment purpose under this TNMP, all NSRs listed in **Table 2.1** are considered in the noise modelling exercise, as a worst-case assumption.

2.4 Traffic Noise Assessment Methodology

- 2.4.1 The assessment methodology and modelling assumptions in this assessment are same as that in the approved LMCL EIA Report, with the details being recapitulated below. Traffic noise assessment was carried out according to the Calculation of Road Traffic Noise, 1988 (CRTN) of UK Department of Transport. Road traffic noise levels are presented in terms of noise levels exceeded for 10% of the one-hour period during the peak hour traffic flow, i.e. L_{10(1hr)} dB(A). The assessment is based on year 2042 (with project) traffic flow (**Appendix 2.2** refers) and vehicle compositions used in the LMCL EIA study, as the latest design information indicate the traffic data would remain valid. The roads within 300m from the proposed Project alignment are included in the model.
- 2.4.2 With reference to EIAO-TM and EIAO Guidance Note No. 12/2023, direct mitigation measures are required to reduce the noise from the concerned road project to a level that it:
 - is not higher than the standard laid down in Annex 5 of the EIAO-TM; and
 - has no significant contribution (less than 1.0 dB(A) L_{10 (1 hr)}) to the overall noise from other existing roads, if the cumulative noise level, i.e. noise from the road project under the subject designated project together with other existing roads, exceeds the standard.

- 2.4.3 If any façades of NSRs are still exposed to predicted noise levels exceeding the relevant noise criteria after the implementation of all direct mitigation measures, provision of Indirect Technical Remedies (ITRs) in the form of acoustic insulation and air conditioning should be considered under the EIAO-TM and EIAO Guidance Note No. 12/2023. The eligibility for ITRs shall be tested against the following three criteria:
 - the predicted overall noise level from the road project together with other road traffic noise in the vicinity must be above the standard laid down in Annex 5 of the EIAO-TM;
 - the predicted overall noise level is at least 1.0 dB(A) more than the prevailing traffic noise level, i.e. the total traffic noise level existing before the works to construct the road were commenced; and
 - the contribution to the increase in the predicted overall noise level from the road project must be at least 1.0dB(A).

2.5 Operation Phase Road Traffic Noise Impact Assessment

<u>Changes in Noise Barrier Arrangement along Ha Wan Tsuen Road, Lok Ma Chau</u> Road and Direct Road Link

- 2.5.1 A computer plot of the road scheme and a plan showing the location of designated project roads and other roads and key map to traffic flow are presented in **Appendix 2.3** (Extracted from Appendix 4-11 of the Approved EIA Report) and **Appendix 2.4** (Extracted from Appendix 4-12 of the Approved EIA Report).
- 2.5.2 **Table 2.2** summarizes the revised mitigated scenario for the noise barriers (NBs). The locations of the direct noise mitigation measures (including both low-noise road surfacing and noise barrier) under the revised mitigated scenario are presented in **Appendix 1.2**.

Table 2.2 Comparison of Noise Barrier Design Along Ha Wan Tsuen Road, Lok Ma Chau Road and Direct Road Link under the Approved EIA Mitigated Scenario, Revised Mitigated Scenario in Environmental Review Report, and Revised Mitigated Scenario with NSRs Removed after Land Resumption under San Tin Technopole Project

Noise Barrier	EIA Mitigated Scenario	Revised Mitigated Scenario in Environmental Review Report	Revised Mitigated Scenario with NSRs Removed after Land Resumption under San Tin Technopole Project by 2027
NB 1	Approx. 16m long 0.8m high noise barrier at road kerb	No change (Same as EIA Mitigated Scenario)	Not necessary
NB 2	Approx. 42m long 0.8m high noise barrier at road kerb	No change (Same as EIA Mitigated Scenario)	Not necessary

Noise Barrier	EIA Mitigated Scenario	Revised Mitigated Scenario in Environmental Review Report	Revised Mitigated Scenario with NSRs Removed after Land Resumption under San Tin Technopole Project by 2027
NB 3	Approx. 27m long 0.8m high noise barrier at road kerb	No change (Same as EIA Mitigated Scenario)	Not necessary
NB 4	Approx. 14m long 0.8m high noise barrier at road kerb	No change (Same as EIA Mitigated Scenario)	Not necessary
NB 6	Approx. 50m long 0.8m high noise barrier at road kerb	Approx. 50m long 1m high noise barrier at the edge of footpath	Not necessary
NB 7	Approx. 8m long 0.8m high noise barrier at road kerb	Approx. 8m long 1m high noise barrier at the edge of footpath	Not necessary
NB 8	Approx. 10m long 3m high noise barrier at road kerb	Approx. 10m long 3m high noise barrier at edge of footpath	Not necessary
NB 9	Approx. 33m long 5m high noise barrier at road kerb	Approx. 33m long 5m high noise barrier at the edge of footpath, with a 1.6m wide opening in front of Lun Kee Store	Not necessary
NB 10	Approx. 12m long 3m high noise barrier at road kerb	Approx. 12m long 3m high noise barrier at the edge of footpath	Not necessary
NB 11	Approx. 12m long 5m high noise barrier at road kerb	Approx. 10m long 5m high noise barrier at the edge of footpath	Not necessary
NB 12	Approx. 36m long 3m high noise barrier at road kerb	Approx. 36m long 3m high noise barrier at the edge of footpath	Not necessary
NB 13	Approx. 12m long 3m high noise barrier at road kerb	No change (Same as EIA Mitigated Scenario)	No change (Same as EIA Mitigated Scenario)
NB 14*	Approx. 32m long 0.8m high noise barrier at road kerb	Approx. 30m long 1.2m high noise barrier at the edge of footpath next to the bus stop	No change (Same as Revised Mitigated Scenario)
NB 15	Approx. 27m long 3m high noise barrier at road kerb	Approx. 27m long 3m high noise barrier at the edge of footpath	Not necessary

Noise Barrier	EIA Mitigated Scenario	Revised Mitigated Scenario in Environmental Review Report	Revised Mitigated Scenario with NSRs Removed after Land Resumption under San Tin Technopole Project by 2027
NB 16*	Approx. 57m long 3m high noise barrier at road kerb	Approx. 57m long 3m high noise barrier at the edge of Amenity Area	No change (Same as Revised Mitigated Scenario)
NB19	Approx. 730m long 0.8m high noise barrier at road kerb	Approx. 710m long 0.8m high noise barrier at both sides of road kerb	No change (Same as Revised Mitigated Scenario)
		Approx. 50m long 2m high noise barrier (Part of the original NB19 modified as NB25)	No change (Same as Revised Mitigated Scenario)
NB21	Approx. 47m long, 0.8m high noise barrier at road kerb	No change (Same as EIA Mitigated Scenario)	Not necessary
NB22	Approx. 46m long, 0.8m high noise barrier at road kerb	No change (Same as EIA Mitigated Scenario)	Not necessary
NB 23	Approx. 16m long 3m high noise barrier at road kerb	Approx. 16m long 3m high noise barrier at the edge of footpath	Not necessary
NB 24	Approx. 80m long 0.8m high noise barrier at road kerb	Approx. 80m long 1m high noise barrier at the edge of footpath	Not necessary
NB25	Part of NB19 (0.8m high noise barrier at road kerb)	Approx. 50m long 2m high noise barrier	No change (Same as Revised Mitigated Scenario)

Remarks:

- To avoid sightline issue to traffic, the noise barriers marked with "*" are proposed to set back by about 2m from the road kerb to the edge of footpath/amenity area.

 Requirements of NB1 to 4, 6 to 12, 15, 21 to 24 alongside the Ha Wan Tsuen Road and the vicinity of Lok Ma Chau Road would subject to the removal of NSRs under the land resumption under San Tin Technopole Project.

2.5.3 The predicted noise levels at the representative NSRs under the revised mitigated scenario with NSRs removed after land resumption under San Tin Technopole Project by year 2027 are summarised in **Table 2.3** and detailed in **Appendix 2.5**.

Table 2.3 Predicted Road Traffic Noise Levels at Each Identified NSR under Revised Mitigated Scenario at Year 2042

NSR ID	Criterion	Predicted Overall Noise Level, L10(1hr), dB(A)
*HWFST-2	70	70
HWT-3	70	67
HWT-4	70	68

NSR ID	Criterion	Predicted Overall Noise Level, L10(1hr), dB(A)	
HWT-5	70	68	
HWT-6	70	67	
HWT-7	70	66 - 69	
HWT-8	70	65 - 70	
HWTR-1	70	58 - 70	
HWTR-2	70	62 - 67	
HWTR-3	70	57	
HWTR-4	70	55 - 65	
HWTR-5	70	51 - 64	
HWTR-6	70	62 - 66	
HWTR-7	70	69	
HWTR-8	70	65 - 70	
HWTR-9	70	70	
HWTR-10	70	70	
HWTR-11	70	66	
HWTR-12	70	69	
HWTR-13	70	67	
HWTR-14	70	68	
HWTR-15	70	68	
HWTR-16	70	67	
HWTR-17	70	68 - 70	
HWTR-18	70	67	
HWTR-20	70	67	
HWTR-22	70	70	
HWTR-23	70	70	
LMCR-1	70	66 - 70	
LMCR-2	70	67 - 70	
LMCR-3	70	62 - 68	
LMCR-4	70	66 - 70	
LMCR-5	70	66 - 68	
LMCR-6	70	69	
LMCR-7	70	67	
*LMCR-8	70	69 - 70	
*LMCR-9	70	68 - 69	
*LMCR-10	70	70	
*LMCR-11	70	66	
*LMCR-14	70	70	
*LMCR-15	70	70	
LMCR-17	70	66 - 70	
*LMCST-1	70	65 - 66	
*LMCST-2	70	68	
SSR-1	70	70	
SSR-2	70	69 - 70	

Remark:

2.5.4 Under the revised mitigated scenario, noise levels at all representative NSRs would comply with the 70 dB(A) road traffic noise criterion for residential dwellings. Therefore, no adverse traffic noise impact would be anticipated at the representative NSRs due to the Project under the revised mitigated scenario with NSRs removed

^{*} Denotes: NSRs would exist after the land resumption under the San Tin Technopole Project.
For NSRs without *denotes, those would be no longer exist after year 2027 and the predicted overall noise level would be the mitigated scenario at year 2042 according to the data extracted from the Environmental Review Report.

- after land resumption under San Tin Technopole Project by year 2027. No further mitigation measures are required.
- 2.5.5 The purpose of the noise barriers alongside the Ha Wan Tsuen Road and vicinity of the Lok Ma Chau Road (NB1 to 4, 6 to 12, 15, 21 to 24) would be to mitigate the potential adverse road traffic noise impact due to the Project to NSRs alongside the northbound of the WCR. However, in view the NSRs alongside the Ha Wan Tsuen Road and northbound of the Lok Ma Chau Road would be removed under separate project as mentioned in **Section 2.3.2** by year 2027, the erection of noise barriers alongside the Ha Wan Tsuen Road and northbound of the Lok Ma Chau Road would be considered not necessary, subject to the actual removal of the NSRs.

2.6 Evaluation on Residual Impacts

2.6.1 During the operational phase, the impact arising from the Project would be mitigated by implementing the proposed noise control measures such as noise barriers and low noise road surfacing. Since noise levels at all representative NSRs would comply with the 70 dB(A) road traffic noise criterion for residential dwellings, no residual road traffic noise impact would be anticipated.

2.7 Implementation Programme of Mitigation Measures

- 2.7.1 As stated in **Section 1.1.5** and Condition 2.22 (a) of EP-477/2013/B from the Environmental Permit, TNMP is required to identify the noise mitigation measures, such as noise barriers, and the specification of noise barriers to be used. This plan shall be certified by the Environmental Team (ET) Leader and verified by the Independent Environmental Checker (IEC) before submission to the DEP.
- 2.7.2 A summary of Road Traffic Noise Mitigation Proposal for the Project, together with the implementation programme, is presented in **Appendix 1.2.**

3. REVIEW ON LANDSCAPE AND VISUAL IMPACTS

3.1 Introduction

- 3.1.1 This chapter is to present the findings and recommendations of the landscape and visual impact assessment. The potential landscape and visual impacts during operation of the proposed revised noise barrier design are reviewed in this chapter. The aesthetic design of the updated direct noise mitigating measures, including their landscape and visual characteristics are reviewed and optimized in accordance with the Environmental Permit.
- 3.1.2 The landscape and visual impacts due to the changes to noise barriers of the Project as compared with the scheme presented in the EIA Report (Register No.: AEIAR-176/2013) approved on 25 October 2013 are reviewed. This review also takes into account any changes in circumstances, including the changes to existing and planned developments.

3.2 Environmental Legislation, Standards and Guidelines

- 3.2.1 The following legislation, standards and guidelines which have been identified under the approved EIA Report are still applicable for the evaluation of landscape and visual impacts for this Review Report.
 - Environmental Impact Assessment Ordinance (Cap.499 S.16) and the Technical Memorandum on EIA Process (EIAO-TM), particularly Annexes 10 and 18;
 - ETWB TC(W) No. 17/2000 Improvement to the Appearance of Slopes
 - Town Planning Ordinance (Cap 131)
 - Land Administration Office Instruction (LAOI) Section D-12 Tree Preservation
 - WBTC No.7/2002 Tree Planting in Public Works
 - ETWB TC(W) No. 34/2003 Community Involvement in Greening Works
 - ETWB TC(W) No. 2/2004 Maintenance of Vegetation and Hard Landscape Features
 - ETWB TC(W) No. 11/2004 Cyber Manual for Greening
 - DEVB TC(W) No. 5/2020 Registration and Preservation of Old and Valuable Trees
 - DEVB TC(W) No. 1/2018 Soft Landscape Provisions for Highway Structures
 - DEVB TC(W) No. 4/2020 Tree Preservation
 - Forests and Countryside Ordinance (Cap 96) and its subsidiary legislations
 - GEO publication (1999) Use of Vegetation as Surface Protection on Slopes
 - GEO 1/2000 Technical Guidelines on Landscape Treatment and Bioengineering of Man-made Slopes and Retaining Walls
 - HyD TC No. 7/2006 Independent vetting of Tree Works under the Maintenance of Highways Department
 - Government General Regulation 740 restrictions on the preservation and felling of trees in Hong Kong

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- Hong Kong Planning Standards and Guidelines Chapter 4 and Chapter 11
- Study on Landscape Value Mapping of Hong Kong
- 3.2.2 The Environmental Impact Assessment Ordinance Guidance Note 8/2002 has been updated since the approval of EIA Report. The Environmental Impact Assessment Ordinance Guidance Note 12/2023 is followed for this study.
- 3.2.3 The Outline Zoning Plans (OZPs) gazetted under the Town Planning Ordinance provides the statutory framework for land use development. Reference has been made to the Approved San Tin Outline Zoning Plan No. S/YL-ST/8 (15/12/2006) and Approved Lok Ma Chau Loop Outline Zoning Plan No. S/LMCL/2 (09/02/2018).

3.3 Proposed Changes of Noise Barrier from Previously Approved EIA Scheme

- 3.3.1 The proposed changes to noise barriers from the previously approved EIA Report are discussed in **Sections 2**.
- 3.3.2 Changes on the proposed noise barriers are reviewed and potential landscape and visual impacts are assessed in the latest section of this chapter.

3.4 Review of Planning and Development Control Framework

3.4.1 The approved OZPs of San Tin S/YL-ST/8 (15/12/2006) and Lok Ma Chau Loop S/LMCL/2 (09/02/2018) are reviewed respectively. There is no substantial change in land use and layout in the OZPs within the study area.

3.5 Review of Changes to Baseline Findings Prepared under Previously Approved EIA

3.5.1 Baseline Landscape Resources (LRs), Landscape Character Areas (LCAs) and Visually Sensitive Receivers (VSRs) are reviewed following the baseline findings prepared under the previously approved EIA based on site visit, desktop study of topographical maps and site photographs.

3.6 Baseline Landscape Resources and Landscape Character Areas

3.6.1 Based on the review of baseline findings of the previously approved EIA Report and recent site visit, desktop study of topographical maps and site photographs, no additional LRs and LCAs were identified to be affected by the proposed road scheme and the baseline conditions of LRs and LCAs presented in the approved EIA Report would remain valid,

3.7 Visually Sensitive Receivers (VSRs)

3.7.1 Based on the review of the latest OZPs of San Tin S/YL-ST/8 (15/12/2006) and Lok Ma Chau Loop S/LMCL/2 (09/02/2018), there is no change in land use or proposed new development that fall within the visual envelope of the project. The baseline findings presented in the approved EIA report would remain valid.

3.8 Landscape Impact Assessment

3.8.1 The proposed changes of noise barrier would not cause any discernible changes in impacts on existing landscape resources, including both the existing trees and roadside amenity areas.

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- 3.8.2 The impacts on existing trees due to the changes to noise barriers would be the same as those identified in the approved EIA. No additional tree would be directly affected by the changes to noise barriers. Therefore, there would not be any discernible changes in the impacts on landscape resources as assessed in the approved EIA.
- 3.8.3 The proposed changes of noise barriers are considered as minor and would not change the threshold impact significance on LCAs. It is considered that there would not be any discernible changes in impacts on LCAs as identified in the approved EIA.
- 3.8.4 The potential landscape impacts due to the proposed changes are itemized and shown in **Table 3.1**.

Table 3.1 Proposed Changes in Direct Noise Mitigation Measures and Associated Potential Landscape and Visual Impacts

Noise Barrier	EIA Mitigated Scenario	Revised Mitigated Scenario in Environmental Review Report	Revised Mitigated Scenario with NSRs Removed after Land Resumption under San Tin Technopole Project by 2027	Potential Landscape and Visual Impact
NB 13	Approx. 12m long 3m high noise barrier at road kerb	No change (Same as EIA Mitigated Scenario)	No change (Same as EIA Mitigated Scenario)	No change in potential Landscape and Visual Impact (Same as Environmental Review Report)
NB 14	Approx. 32m long 0.8m high noise barrier at road kerb	Approx. 30m long 1.2m high noise barrier at the edge of footpath next to the bus stop.	No change (Same as Revised Mitigated Scenario)	No change in potential Landscape and Visual Impact (Same as Environmental Review Report)
NB 16	Approx. 57m long 3m high noise barrier at road kerb	Approx. 57m long 3m high noise barrier at the edge of Amenity Area	No change (Same as Revised Mitigated Scenario)	No change in potential Landscape and Visual Impact (Same as Environmental Review Report)
NB19	Approx. 730m long 0.8m high noise barrier at road kerb	Approx. 710m long 0.8m high noise barrier at both sides of road kerb	No change (Same as Revised Mitigated Scenario)	No change in potential Landscape and Visual

Noise Barrier	EIA Mitigated Scenario	Revised Mitigated Scenario in Environmental Review Report	Revised Mitigated Scenario with NSRs Removed after Land Resumption under San Tin Technopole Project by 2027	Potential Landscape and Visual Impact
		Approx. 50m long 2m high noise barrier (Part of the original NB19 modified as NB25)	No change (Same as Revised Mitigated Scenario)	Impact (Same as Environmental Review Report)
NB25	Part of NB19 (0.8m high noise barrier at road kerb)	Approx. 50m long 2m high noise barrier	No change (Same as Revised Mitigated Scenario)	No change in potential Landscape and Visual Impact (Same as Environmental Review Report)

Remarks:

As mentioned in Section 2.5.2, the erection of noise barriers NB1 to 4, 6 to 12, 15, 21 to 24 alongside the Ha Wan Tsuen Road and vicinity of the Lok Ma Chau Road were considered not necessary, subject to the actual removal of the relevant NSRs in the land resumption under San Tin Technopole Project.

3.9 Visual Impact Assessment

- 3.9.1 The proposed changes would fall within the works area as identified in the approved EIA Report. The nature of works and scale of development between the current scheme and the approved scheme are the same. Therefore, the findings and recommendations to visual impact on the approved EIA are still valid.
- 3.9.2 Having reviewed the proposed changes as identified in **Section 2**, it is considered that there would not be any insurmountable changes in visual impacts on adjacent VSRs. However, the proposed changes to noise barriers would be the main source of potential visual impacts. The potential visual impacts due to the proposed changes are assessed and described in **Table 3.1**.
- 3.9.3 Based on the review of potential landscape and visual impact, changes to noise barriers are mainly minor adjustments on height and length. No insurmountable adverse impact to the adjacent landscape is envisaged. With the implementation of mitigation measures in the approved EIA, the changes to noise barriers could be mitigated to an acceptable level. The viewpoints as illustrated in the approved EIA report are still valid.

3.10 Optimization of Aesthetic Design of the Updated Direct Noise Mitigation Measures

3.10.1 As identified in the approved EIA, the proposed noise barriers have imposed adverse visual impact on road users. Through the design development process, aesthetic design of the updated direct noise mitigation measures including their landscape and visual characteristics are optimised. ACABAS Submission for Noise Barriers along WCR was submitted on 2 June 2020 and the aesthetic design of the noise barriers was agreed in principle during the ACABAS meeting held on 16 June 2020. The aesthetic design of the noise barriers was subsequently considered to be acceptable during the ACABAS meeting held on 18 August 2020.

3.11 Landscape and Visual Mitigation Measures

3.11.1 During the design phase, landscape and visual mitigation measures for the proposed road works and associated direct noise mitigation measures have been considered as far as practicable. The opportunity of providing landscape and visual mitigation measures is limited by the need for maintaining a clear sightline for road travellers of the traffic lanes, structural loading constraint, maintaining an open area around the portal for emergency use and maintaining pedestrian-free connection for the public.

3.12 Residual Impact

3.12.1 There would not be any discernible changes to the residual impacts on landscape resources and landscape character areas assessed in the approved EIA.

3.13 Cumulative Impact

Key concurrent projects identified in the vicinity of the proposed road scheme in the approved EIA report include the proposed cycle tracks in the North West New Territories and North East New Territories, new development areas in the North East New Territories and the construction of the secondary boundary fence and new sections of primary boundary fence and Boundary Patrol Road. There are no additional concurrent projects identified within the vicinity. There would not be any insurmountable cumulative landscape and visual impacts arisen from the proposed changes to the approved EIA report.

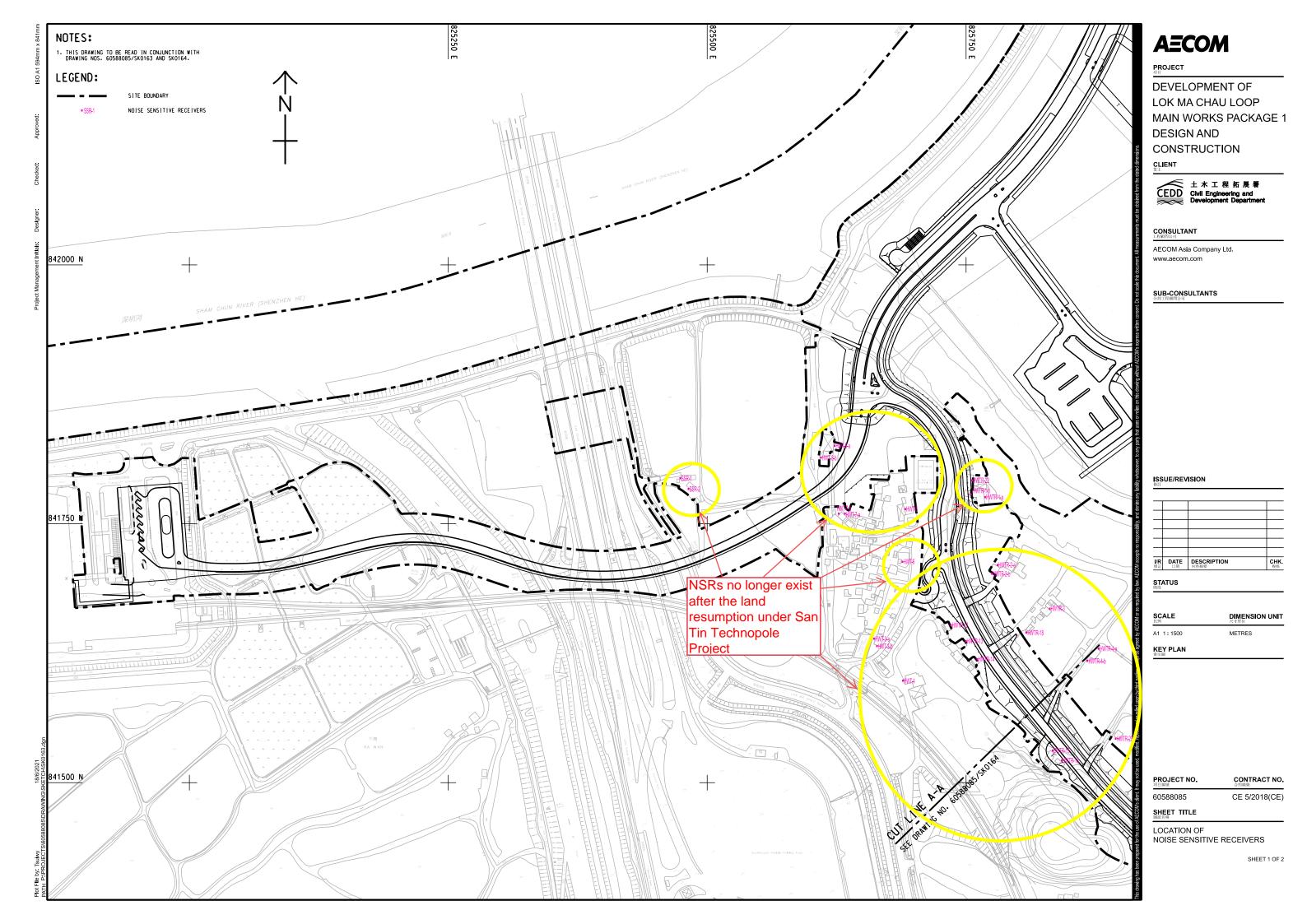
A=COM 15 March 2024

4. CONCLUSION

- 4.1.1 The traffic noise mitigation measures for the Project have been reviewed based on the latest available information of the development layouts. Assessment results indicate that traffic noise performance requirements set out in the approved EIA report (Register No. AEIAR-176/2013) will not be exceeded with the mitigation measures recommended in this Plan in place.
- 4.1.2 All mitigation measures recommended in this Plan will be fully implemented and properly maintained throughout the operational phase(s) of the Project. Pursuant to Condition 2.22(a) of Environmental Permit (EP-477/2013/B), the Permit Holder shall, no later than one month before the commencement of construction of the traffic noise mitigation measures for the Project, deposit with the Director three hard copies and one electronic copy of a Traffic Noise Mitigation Plan (TNMP). Before submission to the Director, the TNMP shall be certified by the ET Leader and verified by the IEC as conforming to the relevant information and recommendations contained in the EIA Report and application document for variation of an environmental permit (Application No. VEP-595/2021).
- 4.1.3 Noise barriers alongside the Ha Wan Tsuen Road and vicinity of the Lok Ma Chau Road (NB1 to 4, 6 to 12, 15, 21 to 24) are considered to be no longer required under operation phase by providing necessary modifications, if needed, and maintenance to the temporary noise barriers during construction phase until the time of removal of the concerned NSRs, which are assumed to be removed by 2027. Further review on the latest land resumption programme under the development of San Tin Technopole shall be carried out in 2027 to verify such assumption. The Permit Holder shall deposit with the DEP three hard copies and one electronic copy of the Plan to clearly show the proposed change(s) due to the latest land resumption programme under the development of San Tin Technopole if the actual removal of the concerned NSRs deviated from the assumed year of 2027 under this Report.

Figure 1.1

Locations of Representative Noise Sensitive Receivers along Ha Wan Tsuen Road, Lok Ma Chau Road and Direct Road Link



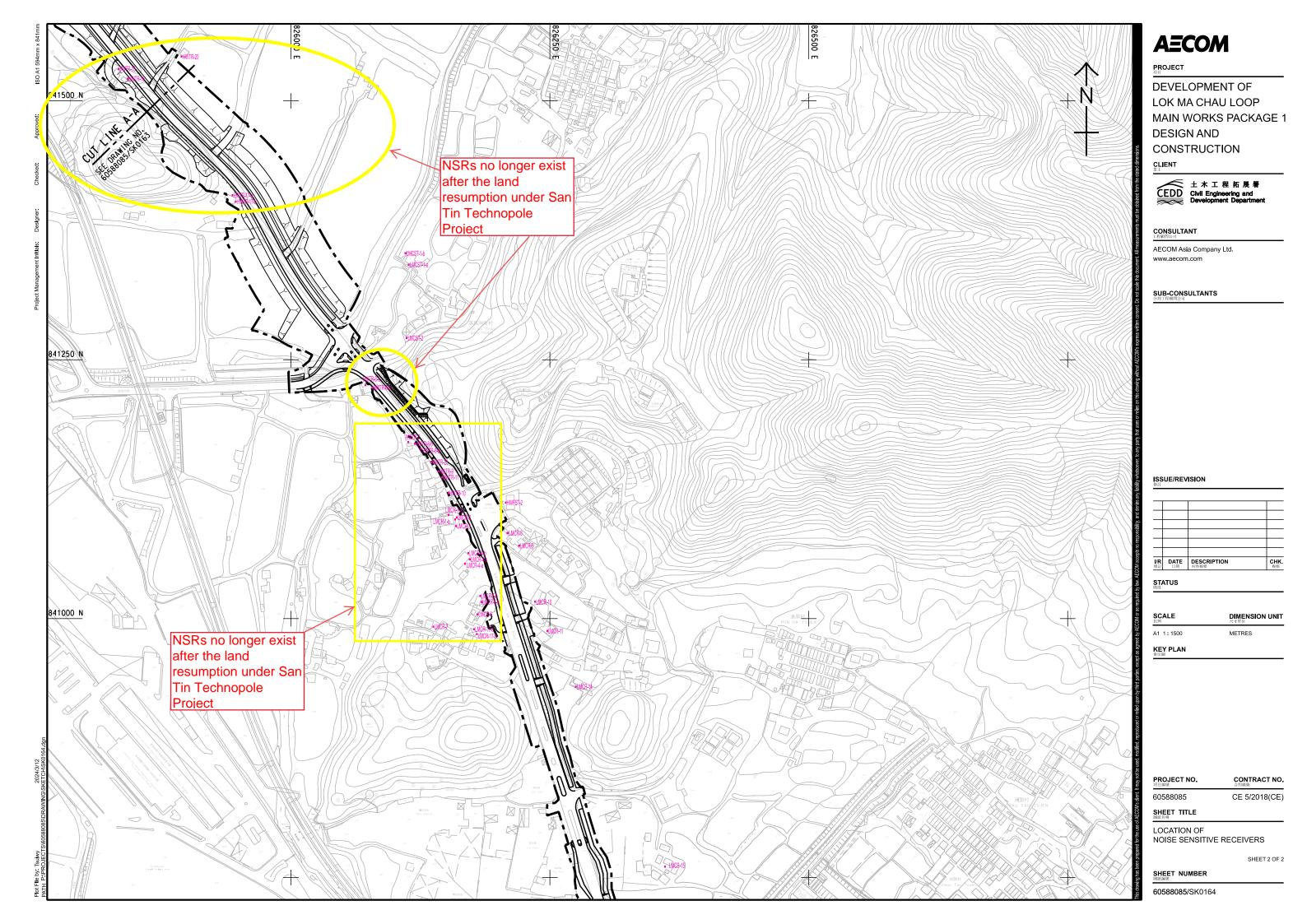


Figure 1.2

The Recommended Outline Development Plan (RODP) and Tentative Phasing Development Plan of San Tin Technopole





Works for the development area covered by the RODP are planned to be implemented in two phases.

Hong Kong-Shenzhen Innovation & Technology Park (Work In Progress)

First Phase

Covers the I&T land parcels to the north of San Tin Highway/Fanling Highway, some residential land to the south and the key infrastructure areas with road connections.

Second Phase

Covers the remaining area.

Q4 **2024**

Site formation for I&T land will commence 2026

Formed sites coming on stream in 2026 at the earliest 2031

The first population intake 2034

Bulk population intake around the time when NOL Main Line commences operation

Appendix 1.1

Predicted Unmitigated Operational Road Traffic Noise in 2042

(Extracted from Appendix 4-14 of the Approved EIA Report)

Without Project With Project Receviers Overall noise Noise Level dB(A) Noise **New Road** Overall **Major Concerned Roads** Overall noise FL mP.D. Level at 2016 Level at 2042 **EXISTING ROADS NEW ROADS ALL ROADS** Criteria **Exceedance Exceedance Causing Exceedance** dB(A) dB(A) at 2042 at 2042 at 2042 (Y/N) (Y/N) BR-1-a 4.1 55.6 57 56.7 42.2 56.9 70 Ν Ν N/A BR-1-b 4.1 61.5 62.9 62.6 42.1 62.7 70 Ν N/A Ν 4.4 48.4 49.6 49.4 4.5 49.4 70 Ν Ν N/A BR-2 BR-2 2 7.4 48.4 49.6 49.4 4.6 49.4 70 Ν Ν N/A BR-3 4.3 36.6 37.8 37.6 32 38.7 70 Ν Ν N/A BR-4 3.2 0 0 0 37.9 37.9 70 Ν Ν N/A BR-4 2 6.2 0 0 0 37.9 37.9 70 Ν Ν N/A BR-5 7.2 47.8 47.8 0 66.7 66.7 70 Ν Ν N/A CTT-1 2.6 62.7 64.1 63.4 54.6 63.9 70 Ν Ν N/A 2 5.6 62.7 64.1 63.4 54.7 63.9 70 Ν Ν N/A CTT-1 3 62.8 64.2 63.5 55.2 64.1 70 Ν Ν N/A CTT-1 8.6 63 64.5 63.1 61.7 65.5 70 Ν Ν N/A CTT-2 2.6 2 64.5 61.7 65.5 70 Ν Ν N/A CTT-2 5.6 63 63.1 62.8 70 CTT-3 65.2 66.7 65 67 Ν Ν N/A 70 CTT-3 6.4 65.3 66.7 65 62.8 67 Ν N/A CTT-3 9.4 65.3 66.7 65 62.8 67 70 Ν N/A HWFST-2 12.0 68.7 68.4 55.2 70.1 70.2 70 N/A Ν Ν HWT-3-a 65.9 59.5 70 3.0 65.2 65.3 66.8 Ν Ν N/A HWT-3-b 3.0 66.4 66.6 67.2 53.6 67.4 70 Ν Ν N/A HWT-4 6.3 67.3 67.4 68 53.2 68.2 70 Ν Ν N/A HWT-5 4.2 54.1 54.6 53.3 67.7 67.8 70 Ν Ν N/A HWT-6 59.2 59.7 70 N/A 3.5 59.6 66.2 67 Ν Ν HWT-7-a 54 70 N/A 3.5 53.6 52.9 65.9 66.1 Ν Ν HWT-7-a 2 54 66.6 70 N/A 6.5 53.6 53 66.4 Ν Ν HWT-7-b 63.4 65.9 70 3.5 63.4 63.5 67.8 Ν Ν N/A HWT-7-b 2 63.4 63.7 67.1 68.8 70 N/A 6.5 63.4 Ν Ν HWTR-1-a 2.9 41 41.6 35.9 57.9 57.9 70 Ν Ν N/A HWTR-1-b 2.9 60 60.3 59.7 71.9 72.1 70 **Western Connection Road** HWTR-2-a 3.6 45.9 46.6 42.6 62.6 62.6 70 Ν Ν N/A HWTR-2-b 60.4 60.7 60.4 66.6 67.5 70 Ν 3.6 Ν HWTR-3 3.1 37.2 38 35.2 56.6 56.6 70 Ν Ν N/A HWTR-4-a 4.7 45.9 47.1 46.7 54.1 54.9 70 Ν Ν N/A HWTR-4-b 4.7 59.1 59.3 59.4 63.7 65 70 Ν Ν N/A HWTR-5-a 5.5 46.6 47.8 47.4 49.2 51.4 70 Ν Ν N/A HWTR-5-b 5.5 57.8 58 57.9 62.7 64 70 Ν Ν HWTR-6-a 4.0 70.1 72.3 72.7 Υ 70.2 61.4 70 Υ Western Connection Road HWTR-6-b 4.0 70.3 74.1 74.1 Υ 70.2 50 70 Υ Western Connection Road Υ 71.3 71.9 Υ HWTR-7 5.9 71.2 60.8 72.2 70 Western Connection Road HWTR-8-a 5.4 70.4 70.3 75.5 75.5 70 44.2 Western Connection Road 72.8 HWTR-8-b 5.4 71 70.9 60.5 73.1 70 **Western Connection Road** HWTR-9 7.0 71 70.9 47.9 76.2 76.2 70 Western Connection Road HWTR-10 71.8 71.6 48.6 74.7 74.7 70 **Western Connection Road** HWTR-11 7.0 69.9 69.8 48.5 76.1 76.1 70 Western Connection Road HWTR-12 54.9 70.5 70.5 70 3.2 54.2 44.7 Western Connection Road HWTR-13 54.8 55.5 45.5 72.1 70 3.2 72.1 Western Connection Road HWTR-14 3.2 54.6 55.3 44.7 72.3 72.3 70 Western Connection Road Western Connection Road HWTR-15 3.6 54.9 55.6 44.6 72.9 72.9 70 HWTR-16 3.6 55.1 55.8 44 73.4 73.4 70 Western Connection Road HWTR-17-a 57.2 57.9 51.5 72.4 70 Western Connection Road 2.6 72.3 HWTR-17-b Western Connection Road 2.6 60.6 61 59.1 71.3 71.5 70 Υ HWTR-18 60.6 60.9 66.6 67.5 70 Ν Ν 3.5 60.2 N/A HWTR-20 59.8 70 Ν N/A 3.7 60.1 59.9 66.4 67.2 Ν HWTR-21 62.6 70 3.6 63.3 63.5 68.8 69.7 Ν Ν N/A HWTR-22 3.6 58.3 58.6 58.3 69.5 69.8 70 Ν Ν N/A HWTR-23 7.0 72.4 72.3 46.8 75.7 75.7 70 **Western Connection Road** HWTR-23 2 10.0 74.9 74.8 47 75.4 75.4 70 Υ **Western Connection Road** 13.3 72.3 74.2 74 59.3 74.2 70 Ν Υ KTN-50 **Fanling Highway** KTN-50 72.3 74.2 59.5 74.2 70 Fanling Highway KTN-51 72.4 74.2 70 Υ 11.9 73.8 63.6 74.2 Ν **Fanling Highway** Fanling Highway KTN-51 2 72.5 74.3 70 Υ 14.9 73.9 63.7 74.3 Ν LMCR-1-a 8.0 66.7 66.5 58.6 68 68.4 70 Ν Ν N/A _MCR-1-a 2 11.0 67.9 67.6 58.6 68.7 69.1 70 Ν Ν N/A _MCR-1-a 3 14.0 68.8 68.6 58.6 69.7 70 70 Ν Ν N/A 17.0 Ν Ν LMCR-1-a 4 68.9 68.8 58.6 69.7 70 70 N/A Ν Ν LMCR-1-b 8.0 66.5 66.1 48.1 67.4 67.4 70 N/A LMCR-1-b 2 11.0 69.1 68.8 50.3 69.8 69.9 70 Ν Ν N/A 72.1 70 LMCR-1-b 3 14.0 71.1 70.7 50.6 72.1 **Western Connection Road** LMCR-1-b 4 71.7 71.3 50.8 72.8 72.8 70 **Western Connection Road** 17.0 LMCR-2 7.8 68 67.6 52.6 68.5 68.6 70 Ν Ν Western Connection Road LMCR-2 2 10.8 70.8 70.5 53.8 71.6 71.6 70 LMCR-3 8.0 65.4 65 38.5 66.9 67 70 Ν Ν N/A LMCR-3 2 65.6 65.2 40 67.1 67.1 70 Ν N/A 11.0 Ν LMCR-3 70.2 69.9 49.9 70 **Western Connection Road** 3 14.0 71.4 71.5 MCR-4-a 8.0 69 68.6 40.9 70.4 70.4 70 Ν Ν N/A MCR-4-a 68.6 41.6 70 2 11.0 68.9 70.4 70.4 Ν Ν N/A _MCR-4-a 3 14.0 68.9 68.5 43.3 70.4 70.4 70 Ν Ν N/A _MCR-4-b 71.1 70.7 47.5 72.4 72.4 70 **Western Connection Road** 8.0 Υ Υ LMCR-4-b 2 11.0 71.2 70.8 48.1 72.4 72.5 70 Υ Υ **Western Connection Road** LMCR-4-b 71.1 70.7 48.6 70 3 14.0 72.4 72.4 Υ Υ **Western Connection Road** 70.3 69.9 42.5 71.9 70 LMCR-4-c 8.0 71.9 Υ **Western Connection Road** LMCR-4-c 2 11.0 70.3 69.9 43.1 71.8 71.8 70 Υ **Western Connection Road** LMCR-4-c 3 14.0 70.1 69.8 44.7 71.7 71.7 70 Υ Υ **Western Connection Road** LMCR-5-a 7.9 71 70.7 48.9 72.4 72.4 70 Υ Υ **Western Connection Road** LMCR-5-a 2 10.9 71 70.7 49.1 72.4 72.5 70 Υ Υ Western Connection Road LMCR-5-b 7.9 70.2 69.9 55.7 71.4 71.5 70 Υ Υ **Western Connection Road** LMCR-5-b 2 70.2 69.8 55.8 71.4 70 10.9 71.5 Υ Western Connection Road MCR-6 8.1 69.8 69.4 50.3 71.2 71.2 70 Υ Υ Western Connection Road MCR-6 2 11.1 69.8 69.4 50.4 71.1 71.1 70 Western Connection Road MCR-7 7.3 65 64.6 54.7 66.5 66.8 70 Ν Ν N/A MCR-7 2 10.3 65.1 64.7 54.7 66.6 66.8 70 Ν Ν N/A LMCR-8 70.8 72.2 Υ 1 9.1 70.4 51.8 72.3 70 Υ **Western Connection Road** LMCR-8 2 72.2 Υ Υ **Western Connection Road** 12.1 70.7 70.4 53.8 72.2 70 LMCR-9 9.1 69.5 69.1 48.1 71 71.1 70 Υ Υ Western Connection Road LMCR-9 2 12.1 69.5 69.1 50.9 71 71 70 **Western Connection Road** LMCR-10 70.4 70.4 70 9.5 68.6 68.3 46.7 Ν Ν N/A _MCR-10 2 12.5 68.6 68.3 47.2 70.3 70.3 70 Ν Ν N/A MCR-11 9.5 67.2 66.8 50.7 69.2 69.3 70 Ν Ν N/A _MCR-14 10.4 70 69.7 51.4 71.3 71.4 70 Υ Western Connection Road _MCR-14 2 69.9 69.6 51.4 71.3 70 13.4 71.4 Western Connection Road LMCR-14 3 69.6 70 16.4 69.9 51.4 71.3 71.3 Υ **Western Connection Road** MCR-15 3.0 68.2 68.8 60.3 69.6 70.1 70 Ν Ν N/A

68.2

68.8

60.3

69.6

70.1

70

Ν

Ν

LMCR-15

2

6.0

N/A

			Without	Without Project	-	Τ					
Receviers ID	FL	mP.D.	Overall noise Level at 2016 dB(A)	Overall noise Level at 2042 dB(A)	EXISTING ROADS at 2042	Noise Level dB(A) NEW ROADS at 2042	With Pro	Noise Criteria	New Road Exceedance (Y/N)	Overall Exceedance (Y/N)	Major Concerned Roads Causing Exceedance
LMCR-15	3	9.0	68.2	68.7	60.3	69.6	70.1	70	N	N	N/A
LMCR-16 LMCR-17-a	1 1	9.0 8.9	73.7 67.2	73.3 66.9	50.6 54.9	76.5 68.5	76.5 68.7	70 70	Y N	Y N	Western Connection Road N/A
LMCR-17-a	2	11.9	67.2	66.9	54.9	68.6	68.7	70	N	N	N/A
LMCR-17-b LMCR-17-b	2	8.9 11.9	68.8 68.8	68.5 68.5	53.1 53.1	70.7 70.7	70.8 70.8	70 70	Y	Y	Western Connection Road Western Connection Road
LMCST-1-a	1	4.0	62.7	63.2	61.4	62.7	65.1	70	N	N	N/A
LMCST-1-b	1	4.0 5.5	63.1	64 65.8	63.7	61.7	65.8 68.1	70 70	N N	N	N/A N/A
LMCST-2 LMCT-1-a	1	4.0	65.5 56.8	57.6	62 56.8	66.9 55.9	59.3	70	N N	N N	N/A N/A
LMCT-1-a	2	7.0	56.8	57.6	56.8	55.9	59.4	70	N	N	N/A
LMCT-1-a LMCT-1-b	3	10.0 4.0	56.8 57.5	57.6 58.5	56.8 58.3	56 54.6	59.4 59.9	70 70	N N	N N	N/A N/A
LMCT-1-b	2	7.0	57.6	58.5	58.3	54.6	59.9	70	N	N	N/A
LMCT-1-b	3	10.0	57.6	58.5	58.3	54.6	59.8	70	N	N	N/A
MTL-2-a MTL-2-b	1	9.2 9.2	37.9 33	37.9 33	51.8 54.8	63.8 61.1	64 62	70 70	N N	N N	N/A N/A
MTL-3	1	8.0	36.1	36.9	62.1	63.4	65.8	70	N	N	N/A
MTL-3 MTL-4	2	11.0 6.8	36.2 32.5	37 32.5	62.3 63.3	63.4 61	65.9 65.3	70 70	N N	N N	N/A N/A
MTL-5	1	11.0	36.4	38.3	65.4	56.7	65.9	70	N	N	N/A
MTL-6	1	13.6	35.2	37.7	64.6	53.8	65	70	N	N	N/A
MTL-7 MTL-7	2	12.0 15.0	31.5 31.5	34 34	64.5 64.5	0	64.5 64.5	70 70	N N	N N	N/A N/A
MTL-20	1	8.0	35.6	36.6	69.3	63.8	70.4	70	N	N	N/A
MTL-21 MTLR-1	1	5.6	36 46	38.5 46	70.2	53.1 64.3	70.3	70 70	N N	N N	N/A N/A
MTLR-1 MTLR-2	1	7.2 5.5	46 46.7	46 46.7	45.5 53.1	64.3 65.5	64.4 65.7	70 70	N N	N N	N/A N/A
MTLR-2	2	8.5	46.6	46.6	53.1	65.5	65.7	70	N	N	N/A
MTLR-3 MTLR-4	1	11.5 7.8	45.6 49.7	45.6 49.8	51.7 43.7	63.3	63.6 43.7	70 70	N N	N N	N/A N/A
MTLR-4 MTLR-4	2	7.8 10.8	49.7 49.7	49.8 49.8	43.7 43.7	0	43.7 43.7	70 70	N N	N N	N/A N/A
MTLR-5	1	25.6	56.4	59.2	58.9	42.8	59	70	N	N	N/A
MTLR-5 MTLR-6-a	2	28.6 25.4	56.4 61.2	59.2 65.4	58.8 61.9	43.3 23.2	58.9 61.9	70 70	N N	N N	N/A N/A
MTLR-6-a MTLR-6-a	2	25.4 28.4	61.2 61.1	65.4 65.2	61.9 61.8	23.2 26	61.9 61.8	70 70	N N	N N	N/A N/A
MTLR-6-b	1	25.4	61.1	65.2	62.1	33.5	62.1	70	N	N	N/A
MTLR-6-b MTLR-7	2	28.4 22.3	61 61.2	65 65.2	62.1 63.8	34.9 0	62.1 63.8	70 70	N N	N N	N/A N/A
MTLR-7	2	25.3	61.3	65.2	63.8	0	63.8	70	N N	N N	N/A N/A
MTLST-1	1	18.9	61.5	65.8	63.9	0	63.9	70	N	N	N/A
MTLSYST-1 MTLSYST-1	2	14.5 17.5	49.6 49.4	50.4 50.3	56.4 56.4	56.9 56.9	59.7 59.7	70 70	N N	N N	N/A N/A
MTLSYST-2	1	18.8	50.5	52	55.8	52.7	57.5	70	N	N	N/A
PUT-1	1	6.0	61.6	62.2	55.6	62.5	63.3	70	N	N	N/A
PUT-1 PUT-1	3	9.0 12.0	61.6 61.6	62.3 62.2	55.6 55.6	62.5 62.5	63.3 63.3	70 70	N N	N N	N/A N/A
PUT-2	1	8.3	64.6	64.9	56.4	65.8	66.3	70	N	N	N/A
PUT-2	2	11.3	64.6	64.9	56.4	65.8	66.3	70	N	N	N/A
PUT-2 SSR-1	3	14.3 2.9	64.6 70.7	64.9 70.7	56.4 71.8	65.8 55	66.3 71.9	70 70	N N	N Y	N/A Local Road near San Sham Road
SSR-1	2	5.9	70.7	70.7	71.8	55.6	71.9	70	N	Y	Local Road near San Sham Road
SSR-2	1	2.9	70	70	71.1	57.9	71.3	70	N	Y	Local Road near San Sham Road
SSR-2 TCW-1	2	5.9 3.1	70 60.7	70 60.9	71.1 60.9	58.7 0	71.3 60.9	70 70	N N	Y N	Local Road near San Sham Road N/A
TCW-1	2	6.1	60.7	61	60.9	0	60.9	70	N	N	N/A
TCW-1	3	9.1	60.7	61	60.9	0	60.9	70	N	N Y	N/A
TWOR-1-a TWOR-1-a	2	5.5 8.5	72.3 72.3	72.9 72.9	72.7 72.8	56.5 56.8	72.9 72.9	70 70	N N	Y	San Tin Highway San Tin Highway
TWOR-1-a	3	11.5	72.3	72.9	72.8	57.1	72.9	70	N	Υ	San Tin Highway
TWOR-1-b TWOR-1-b	1 2	5.5 8.5	74.5 74.5	75.5 75.5	75.4 75.5	58.6 58.9	75.5 75.6	70 70	N N	Y	San Tin Highway San Tin Highway
TWOR-1-b	3	11.5	74.6	75.6 75.6	75.5	59.2	75.6	70	N N	Y	San Tin Highway
CDWEA-P1	1	4.3	67.2	66.3	65.2	54.4	65.6	70	N	N	N/A
CDWEA-P1 CDWEA-P1	3	7.3 10.3	67.1 66.9	66.2 66	65.1 65	54.8 55.2	65.5 65.4	70 70	N N	N N	N/A N/A
CDWEA-P2	1	3.6	66	65.1	64.1	54	64.5	70	N	N	N/A
CDWEA-P2	2	6.6	66	65	64.1	54.2	64.5	70	N	N	N/A
CDWEA-P2 CDWEA-P3	3	9.6 3.4	65.9 65.6	64.9 64.5	64 63.5	54.4 52.4	64.4 63.8	70 70	N N	N N	N/A N/A
CDWEA-P3	2	6.4	65.6	64.5	63.5	52.5	63.8	70	N	N	N/A
CDWEA-P3 CDWEA-P4	3	9.4	65.4 65.2	64.3 64	63.3 62.7	52.7	63.7 62.9	70 70	N N	N N	N/A N/A
CDWEA-P4	2	3.4 6.4	65.2 65.1	63.9	62.7 62.6	48.4 48.6	62.8	70 70	N N	N N	N/A N/A
CDWEA-P4	3	9.4	65	63.7	62.5	48.9	62.7	70	N	N	N/A
CTT-P1 CTT-P1	1 2	3.0 6.0	68.4 68.4	68.4 68.4	58.3 58.3	69.6 69.6	69.9 69.9	70 70	N N	N N	N/A N/A
CTT-P1	3	9.0	68.4	68.4	58.3	69.6	69.9	70	N N	N N	N/A N/A
CTT-P2	1	2.8	68.4	70	67.7	66.7	70.2	70	N	N	N/A
CTT-P2 CTT-P2	3	5.8 8.8	68.4 68.4	70 70	67.7 67.7	66.7 66.7	70.2 70.2	70 70	N N	N N	N/A N/A
CTT-P3	1	3.5	70.6	72.3	72	63	72.5	70	N	Y	Fanling Highway
CTT-P3	2	6.5	70.6	72.4	72	63.1	72.6	70 70	N	Y	Fanling Highway
CTT-P3 EL-P1	3	9.5 18.0	70.7 46.2	72.4 46.2	72.1 0	63.1 70.8	72.6 70.8	70 70	N Y	Y	Fanling Highway Eastern Connection Road
EL-P2	1	27.0	42.7	42.7	0	66.5	66.5	70	N	N	N/A
EL-P3	1	13.0	46.3	46.3	0	71.8	71.8	70 70	Y	Y	Eastern Connection Road
EL-P4 EL-P5	1	10.0 20.0	45.6 45.6	45.6 45.6	0	70.8 69.2	70.8 69.2	70 70	Y N	Y N	Eastern Connection Road N/A
ELKPS-P1	1	14.6	51.4	54.2	58.3	0	58.3	70	N	N	N/A
HHW-P1	1	3.6	40.3	40.5	38.3	63 63	63 63	70 70	N N	N N	N/A N/A
HHW-P1 HHW-P1	3	6.6 9.6	40.3 40.3	40.5 40.5	38.2 38.2	63 63	63 63.1	70 70	N N	N N	N/A N/A
HHW-P2	1	3.6	0	0	0	62.3	62.3	70	N	N	N/A
HHW-P2	2	6.6	0	0	0	62.3	62.3	70 70	N	N N	N/A
HHW-P2 HHW-P3	3	9.6 18.0	0 38.9	0 39.4	0 39.8	62.3 60.8	62.3 60.8	70 70	N N	N N	N/A N/A
HHW-P3	2	21.0	38.9	39.4	39.8	60.8	60.8	70	N	N	N/A
HHW-P3	3	24.0	38.9	39.4	39.8	60.8	60.8	70 70	N	N N	N/A
KTN F1-3 KTN F1-3	2	6.2 9.2	23.9 23.9	23.9 23.9	67.1 67.1	50.7 50.8	67.2 67.2	70 70	N N	N N	N/A N/A
KTN F1-3	3	12.2	23.9	23.9	67	50.7	67.1	70	N	N	N/A
KTN F1-3	4	15.2	23.9	23.9	67	50.7	67.1	70	N	N	N/A

			VALUE	(Due le et	T		With Dec	inat			
Receviers			Without Overall noise	t Project Overall noise	1	Noise Level dB(A)	With Pro	oject Noise	New Road	Overall	Major Concerned Roads
ID	FL	mP.D.	Level at 2016 dB(A)	Level at 2042 dB(A)	EXISTING ROADS at 2042	NEW ROADS at 2042	ALL ROADS at 2042	Criteria	Exceedance (Y/N)	Exceedance (Y/N)	Causing Exceedance
KTN F1-3	5	18.2	23.9	23.9	66.9	50.7	67	70	N	N	N/A
KTN F1-3 KTN F1-3	6 7	21.2 24.2	23.9 23.9	23.9 23.9	66.8 66.7	50.7 50.6	66.9 66.8	70 70	N N	N N	N/A N/A
KTN F1-3	8	27.2	23.9	23.9	66.6	50.6	66.7	70	N	N	N/A
KTN F1-3	9	30.2	23.9	23.9	66.4	50.5	66.5	70	N	N	N/A
KTN F1-3 LMCTE-P1	10	33.2 4.1	23.9 63	23.9 64.3	66.3 63.8	50.4 57.7	66.4 64.8	70 70	N N	N N	N/A N/A
LMCTE-P1	2	7.1	62.9	64.3	63.7	57.7	64.7	70	N	N	N/A
LMCTE-P1	3	10.1	62.6	63.9	63.4	57.8	64.5	70	N	N	N/A
LMCTE-P2	1	3.1	62.3	63.7	63.4	54.8	64	70	N	N	N/A N/A
LMCTE-P2 LMCTE-P2	3	6.1 9.1	62.2 62	63.6 63.3	63.3 63	54.8 54.8	63.9 63.6	70 70	N N	N N	N/A N/A
LMCTE-P3	1	3.1	62.1	63.5	63.2	40.5	63.2	70	N	N	N/A
LMCTE-P3	2	6.1	62	63.4	63.1	40.7	63.1	70	N	N	N/A
LMCTE-P3 LMCTE-P4	3 1	9.1 4.5	61.7 63.4	63.1 64.7	62.8 64.5	41.2 32.6	62.8 64.5	70 70	N N	N N	N/A N/A
LMCTE-P4	2	7.5	63.3	64.6	64.4	38.5	64.4	70	N	N	N/A
LMCTE-P4 LMCTE-P5	3	10.5 4.5	63 63.6	64.3 65	64 64.7	39.9 44.2	64 64.7	70 70	N N	N N	N/A N/A
LMCTE-P5	2	7.5	63.5	64.8	64.6	44.4	64.7	70	N N	N N	N/A
LMCTE-P5	3	10.5	63.2	64.5	64.3	44.6	64.3	70	N	N	N/A
LMCTE-P6	1	5.6	57.2	58.5	56.9	51.9	58.1	70	N	N	N/A N/A
LMCTE-P6 LMCTE-P6	3	8.6 11.6	57.3 57.3	58.6 58.6	57.1 57	51.9 52	58.2 58.2	70 70	N N	N N	N/A N/A
LMCTE-P7	1	13.6	59.3	60.3	59.3	56.2	61	70	N	N	N/A
LMCTE-P7	2	16.6	59.2	60.2	59.2	56.2	61	70	N	N N	N/A
LMCTE-P7 LMCTE-P8	3	19.6 5.6	59.1 58.8	60.1 59.8	59.1 58.3	56.2 56	60.9 60.3	70 70	N N	N N	N/A N/A
LMCTE-P8	2	8.6	58.9	59.9	58.4	56	60.4	70	N	N	N/A
LMCTE-P8	3	11.6	59	60	58.5	56.1	60.5	70	N	N	N/A
LMCTE-P9 LMCTE-P9	2	13.6 16.6	57.7 57.5	59.1 58.9	58.1 57.9	51.3 51.3	58.9 58.8	70 70	N N	N N	N/A N/A
LMCTE-P9	3	19.6	57.2	58.6	57.7	51.3	58.6	70	N	N	N/A
LMCTE-P10	1	5.6	56.6	57.9	56.1	53	57.8	70	N	N	N/A
LMCTE-P10 LMCTE-P10	3	8.6 11.6	56.9 57.1	58.1 58.3	56.4 56.6	53 53	58 58.2	70 70	N N	N N	N/A N/A
LMCTE-P11	1	13.6	59.6	60.8	59.9	49.1	60.3	70	N	N	N/A
LMCTE-P11	2	16.6	59.5	60.7	59.8	49.1	60.2	70	N	N	N/A
LMCTE-P11 LMCTE-P12	3	19.6 10.0	59.4 56.4	60.5 57.5	59.7 55.9	49.1 50.5	60.1 57	70 70	N N	N N	N/A N/A
LMCTE-P12	2	13.0	56.4	57.6	56	50.5	57.1	70	N	N	N/A
LMCTE-P12	3	16.0	56.3	57.4	55.8	50.5	57	70	N	N	N/A
LMCTE-P13 LMCTE-P13	2	13.6 16.6	58.5 58.5	59.7 59.7	58.9 58.9	42.7 42.8	59 59	70 70	N N	N N	N/A N/A
LMCTE-P13	3	19.6	58.3	59.7	58.7	42.8	58.8	70	N N	N N	N/A N/A
LMCTE-P14	1	10.0	60	61.3	60	47.8	60.3	70	N	N	N/A
LMCTE-P14 LMCTE-P14	3	13.0	59.9 59.6	61.2 61	59.9 59.7	47.8 47.8	60.2 59.9	70	N N	N N	N/A N/A
LMCTE-P15	1	16.0 13.6	60.5	61.8	60.7	39.1	60.8	70 70	N N	N N	N/A
LMCTE-P15	2	16.6	60.3	61.6	60.5	39.1	60.5	70	N	N	N/A
LMCTE-P15	3	19.6	60	61.3 59	60.2	39.1 41.1	60.3	70	N	N N	N/A N/A
LMCTE-P16 LMCTE-P16	2	10.0 13.0	57.6 57.4	58.8	57.9 57.7	41.1	58 57.8	70 70	N N	N N	N/A N/A
LMCTE-P16	3	16.0	57.2	58.6	57.5	41.1	57.6	70	N	N	N/A
LMCTE-P17	1	10.0	56.8	58.2	57.1	37.2	57.1	70	N	N	N/A
LMCTE-P17 LMCTE-P17	3	13.0 16.0	56.6 56.3	58 57.7	56.9 56.6	37.2 37.2	56.9 56.7	70 70	N N	N N	N/A N/A
LMCTE-P18	1	10.0	56.7	58	57	36.9	57	70	N	N	N/A
LMCTE-P18 LMCTE-P18	3	13.0 16.0	56.5 56.2	57.8 57.5	56.8 56.6	36.9 36.9	56.9 56.6	70 70	N N	N N	N/A N/A
LMCL-P1	1	9.8	- 50.2	57.5	50.5	75.5	75.5	70	Y	Y	LMC Loop Road M1
LMCL-P1	2	13.3	-	50.9	50.4	75.2	75.2	70	Υ	Υ	LMC Loop Road M1
LMCL-P1	3	16.8	-	50.9	50.4	74.7	74.7	70	Y Y	Y	LMC Loop Road M1
LMCL-P1 LMCL-P1	5	20.3 23.8	-	50.9 50.8	50.4 50.4	74.2 73.7	74.2 73.7	70 70	Y	Y	LMC Loop Road M1 LMC Loop Road M1
LMCL-P1	6	27.3	-	50.8	50.3	73.2	73.2	70	Υ	Υ	LMC Loop Road M1
LMCL-P1	7	30.8	-	50.7	50.3	72.7	72.8	70	Y	Y	LMC Loop Road M1
LMCL-P1 LMCL-P2	8 1	34.3 9.8	-	50.7 49.6	50.2 48.5	72.3 75.7	72.3 75.7	70 70	Y Y	Y	LMC Loop Road M1 LMC Loop Road M1
LMCL-P2	2	13.3	-	49.6	48.5	75.3	75.3	70	Y	Y	LMC Loop Road M1
LMCL-P2 LMCL-P2	3	16.8 20.3	-	49.5 49.5	48.4 48.4	74.8 74.3	74.8 74.3	70 70	Y Y	Y	LMC Loop Road M1
LMCL-P2 LMCL-P2	5	20.3	-	49.5 49.5	48.4 48.4	74.3	74.3	70	Y	Y	LMC Loop Road M1 LMC Loop Road M1
LMCL-P2	6	27.3	-	49.4	48.3	73.3	73.3	70	Υ	Y	LMC Loop Road M1
LMCL-P2 LMCL-P2	7 8	30.8 34.3	-	49.4 49.3	48.3 48.2	72.9 72.5	72.9 72.5	70 70	Y	Y	LMC Loop Road M1
LMCL-P2 LMCL-P3	1	9.8	-	49.3 46.3	48.2 45.2	72.5 72.1	72.5 72.1	70 70	Y	Y	LMC Loop Road M1 LMC Loop Road M1
LMCL-P3	2	13.3	-	46.3	45.2	71.8	71.8	70	Y	Y	LMC Loop Road M1
LMCL-P3	3	16.8	-	46.3	45.2	71.4	71.5	70	Y	Y	LMC Loop Road M1
LMCL-P3 LMCL-P3	4 5	20.3 23.8	-	46.3 46.2	45.2 45.1	71.1 70.7	71.1 70.8	70 70	Y	Y	LMC Loop Road M1 LMC Loop Road M1
LMCL-P3	6	27.3	-	46.2	45.1	70.4	70.4	70	N	N	N/A
LMCL-P3	7	30.8	-	46.1	45	70	70.1	70	N	N	N/A
LMCL-P3 LMCL-P4	8	34.3 9.7	-	46.1 30.3	45 -0.1	69.7 58.6	69.7 58.6	70 70	N N	N N	N/A N/A
LMCL-P4	2	13.2	<u> </u>	30.3	0.4	58.4	58.4	70	N	N N	N/A
LMCL-P4	3	16.7	-	30.3	1	58.2	58.2	70	N	N	N/A
LMCL-P4 LMCL-P4	4 5	20.2 23.7	-	30.3 30.3	1.6 2.3	58 57.7	58 57.7	70 70	N N	N N	N/A N/A
LMCL-P4 LMCL-P4	6	27.2	-	30.3	2.8	57.7 57.5	57.5	70	N N	N N	N/A N/A
	7	30.7	-	30.3	3.5	57.2	57.2	70	N	N	N/A
	8 9	34.2 37.7	-	30.3	4.2	57 56.7	57 56.7	70 70	N N	N N	N/A N/A
LMCL-P4	9	37.7 41.2	-	30.2 30.2	4.8 5.5	56.7 56.5	56.7 56.5	70 70	N N	N N	N/A N/A
LMCL-P4 LMCL-P4	10			0	0	54.3	54.3	70	N	N	N/A
LMCL-P4 LMCL-P4 LMCL-P4 LMCL-P5	1	9.7	-		_	540	54.2	70	N	N	11/4
LMCL-P4 LMCL-P4 LMCL-P4 LMCL-P5 LMCL-P5	1 2	13.2	-	0	0	54.2				N	N/A
LMCL-P4 LMCL-P4 LMCL-P4 LMCL-P5 LMCL-P5 LMCL-P5	1 2 3	13.2 16.7		0	0	54.1	54.1	70	N	N	N/A
LMCL-P4 LMCL-P4 LMCL-P5	1 2	13.2	-								
LMCL-P4 LMCL-P4 LMCL-P4 LMCL-P5 LMCL-P5 LMCL-P5 LMCL-P5 LMCL-P5 LMCL-P5 LMCL-P5	1 2 3 4 5 6	13.2 16.7 20.2 23.7 27.2	- - - -	0 0 0 0	0 0 0 0	54.1 54 53.9 53.7	54.1 54 53.9 53.7	70 70 70 70	N N N N	N N N N	N/A N/A N/A N/A
LMCL-P4 LMCL-P4 LMCL-P4 LMCL-P5 LMCL-P5 LMCL-P5 LMCL-P5 LMCL-P5 LMCL-P5	1 2 3 4 5	13.2 16.7 20.2 23.7	- - -	0 0 0	0 0 0	54.1 54 53.9	54.1 54 53.9	70 70 70	N N N	N N N	N/A N/A N/A

			Without	t Project	l		With Project				
Receviers ID	FL	mP.D.	Overall noise Level at 2016 dB(A)	Overall noise Level at 2042 dB(A)	EXISTING ROADS at 2042	Noise Level dB(A) NEW ROADS at 2042	ALL ROADS at 2042	Noise Criteria	New Road Exceedance (Y/N)	Overall Exceedance (Y/N)	Major Concerned Roads Causing Exceedance
LMCL-P6 LMCL-P6	1 2	9.7 13.2	-	38.4 38.5	28 28.3	54.8 54.7	54.8 54.7	70 70	N N	N N	N/A N/A
LMCL-P6	3	16.7	-	38.5	28.6	54.5	54.5	70	N	N	N/A
LMCL-P6	4	20.2	-	38.5	29	54.3	54.4	70	N	N	N/A
LMCL-P6 LMCL-P6	5 6	23.7 27.2	<u>-</u>	38.6 38.6	29.7 30.4	54.2 54	54.2 54	70 70	N N	N N	N/A N/A
LMCL-P6	7	30.7	-	38.6	31.6	53.7	53.7	70	N	N	N/A
LMCL-P6 LMCL-P6	8 9	34.2 37.7	-	38.7 38.7	34.4 37.4	53.4 53	53.4 53.1	70 70	N N	N N	N/A N/A
LMCL-P7	1	9.7	-	39	9.8	55.7	55.7	70	N	N	N/A
LMCL-P7 LMCL-P7	2	13.2	-	39 39	11.4	55.4	55.4	70	N	N N	N/A N/A
LMCL-P7	3	16.7 20.2	<u>-</u>	39	13.6 16.3	55.2 54.9	55.2 54.9	70 70	N N	N N	N/A N/A
LMCL-P7	5	23.7	-	39	19.8	54.7	54.7	70	N	N	N/A
LMCL-P7 LMCL-P7	6 7	27.2 30.7	-	39 39	24.5 30.3	54.4 54.2	54.4 54.2	70 70	N N	N N	N/A N/A
LMCL-P7	8	34.2	-	39	37.5	54	54.1	70	N	N	N/A
LMCL-P7 LMCL-P8	9	37.7 9.8	-	39 47.8	38.7 36	53.5	53.7	70	N N	N N	N/A N/A
LMCL-P8 LMCL-P8	2	13.3	-	47.8	38.5	58 57.9	58 57.9	70 70	N N	N N	N/A N/A
LMCL-P8	3	16.8	-	48.1	39.7	57.8	57.9	70	N	N	N/A
LMCL-P8 LMCL-P8	5	20.3 23.8	-	48.2 48.2	40.2 40.5	57.7 57.6	57.8 57.7	70 70	N N	N N	N/A N/A
LMCL-P8	6	27.3	-	48.2	40.6	57.5	57.6	70	N	N	N/A
LMCL-P9	1	9.8	-	32.1	-0.5	55.8	55.8	70	N	N	N/A
LMCL-P9 LMCL-P9	3	13.3 16.8	<u>-</u>	32.1 32.1	-0.5 -0.2	55.6 55.3	55.6 55.3	70 70	N N	N N	N/A N/A
LMCL-P9	4	20.3	-	32.1	0.6	55.1	55.1	70	N	N	N/A
LMCL-P9 LMCL-P9	5 6	23.8 27.3	-	32.1 32.1	1.8 3.1	54.8 54.5	54.8 54.5	70 70	N N	N N	N/A N/A
LMCL-P9 LMCL-P10	1	9.8	<u>-</u> -	26.8	-4.5	55.8	54.5 55.8	70	N N	N N	N/A N/A
LMCL-P10	2	13.3	-	26.8	-4.5	55.6	55.6	70	N	N	N/A
LMCL-P10 LMCL-P10	3	16.8 20.3	-	26.8 26.8	-4 -2.4	55.3 55	55.3 55	70 70	N N	N N	N/A N/A
LMCL-P10	5	23.8	-	26.8	-0.7	54.7	54.7	70	N	N	N/A
LMCL-P10 LMCL-P11	6	27.3 9.8	-	26.8 24.8	1.1 -6.8	54.5 54.9	54.5 54.9	70 70	N N	N N	N/A N/A
LMCL-P11	2	13.3	-	24.8	-6.8 -6	54.9	54.9 54.7	70	N N	N N	N/A N/A
LMCL-P11	3	16.8	-	24.8	-4.7	54.5	54.5	70	N	N	N/A
LMCL-P11 LMCL-P11	4 5	20.3 23.8	-	24.8 24.8	-3.7 -2.8	54.3 54.1	54.3 54.1	70 70	N N	N N	N/A N/A
LMCL-P11	6	27.3	<u>-</u>	24.8	-1.9	53.9	53.9	70	N	N	N/A N/A
LMCL-P12	1	9.8	-	45.5	44.4	71.8	71.8	70	Y	Y	LMC Loop Road M1
LMCL-P12 LMCL-P12	3	13.3 16.8	-	45.5 45.5	44.4 44.4	71.5 71.1	71.5 71.1	70 70	Y	Y	LMC Loop Road M1 LMC Loop Road M1
LMCL-P12	4	20.3	-	45.5	44.4	70.8	70.8	70	Y	Y	LMC Loop Road M1
LMCL-P12	5	23.8	-	45.4	44.3	70.4	70.4	70	N	N	N/A
LMCL-P12 LMCL-P12	6 7	27.3 30.8	-	45.4 45.4	44.3 44.3	70.1 69.7	70.1 69.8	70 70	N N	N N	N/A N/A
LMCL-P12	8	34.3	-	45.3	44.2	69.4	69.4	70	N	N	N/A
LMCL-P13	1	9.8	-	49.8	48.6	75.7	75.7	70	Y	Y	LMC Loop Road M1
LMCL-P13 LMCL-P13	3	13.3 16.8	-	49.7 49.7	48.6 48.6	75.3 74.8	75.3 74.8	70 70	Y	Y	LMC Loop Road M1 LMC Loop Road M1
LMCL-P13	4	20.3	-	49.7	48.6	74.3	74.3	70	Y	Y	LMC Loop Road M1
LMCL-P13 LMCL-P13	5	23.8 27.3	-	49.6 49.6	48.5 48.5	73.8 73.4	73.8 73.4	70 70	Y	Y	LMC Loop Road M1
LMCL-P13	6 7	30.8	-	49.5	48.4	73.4	73.4	70	Y	Y	LMC Loop Road M1 LMC Loop Road M1
LMCL-P13	8	34.3	-	49.5	48.3	72.5	72.5	70	Y	Y	LMC Loop Road M1
LMCL-P14 LMCL-P14	2	9.8 13.3	-	49.6 49.6	48.5 48.5	75.4 75	75.4 75	70 70	Y	Y	LMC Loop Road M1 LMC Loop Road M1
LMCL-P14	3	16.8	-	49.5	48.4	74.6	74.6	70	Y	Y	LMC Loop Road M1
LMCL-P14	4	20.3	-	49.5	48.4	74.1	74.1	70	Y	Y	LMC Loop Road M1
LMCL-P14 LMCL-P14	5 6	23.8 27.3	-	49.5 49.4	48.4 48.3	73.6 73.2	73.6 73.2	70 70	Y	Y	LMC Loop Road M1 LMC Loop Road M1
LMCL-P14	7	30.8	-	49.4	48.3	72.7	72.7	70	Y	Y	LMC Loop Road M1
LMCL-P14	8	34.3	-	49.3	48.2	72.3	72.3	70	Y	Y	LMC Loop Road M1
LMCL-P15 LMCL-P15	2	9.8 13.3	<u>-</u>	45.8 45.8	44.7 44.7	70.6 70.4	70.6 70.4	70 70	N N	Y N	LMC Loop Road M1 N/A
LMCL-P15	3	16.8	-	45.8	44.7	70.2	70.2	70	N	N	N/A
LMCL-P15 LMCL-P15	4 5	20.3 23.8	-	45.7 45.7	44.6 44.6	69.8 69.5	69.8 69.5	70 70	N N	N N	N/A N/A
LMCL-P15 LMCL-P15	6	23.8	-	45.7 45.7	44.6	69.5	69.3	70	N N	N N	N/A N/A
LMCL-P15	7	30.8	-	45.6	44.5	68.9	68.9	70	N	N	N/A
LMCL-P15 LMCL-P16	8	34.3 9.8	<u>-</u>	45.6 40.6	44.5 34.2	68.6 60.5	68.6 60.5	70 70	N N	N N	N/A N/A
LMCL-P16	2	13.3	<u>-</u>	40.6	34.2	60.5	60.5	70	N	N	N/A
LMCL P16	3	16.8	-	40.6	34.2	60.5	60.5	70	N	N	N/A
LMCL-P16 LMCL-P16	5	20.3 23.8	<u>-</u>	40.6 40.6	34.2 34.2	60.5 60.4	60.5 60.4	70 70	N N	N N	N/A N/A
LMCL-P16	6	27.3	-	40.6	34.2	60.4	60.4	70	N	N	N/A
LMCL-P16 LMCL-P16	7 8	30.8 34.3	-	40.6 40.6	34.1 34.1	60.4 60.4	60.4 60.4	70 70	N N	N N	N/A N/A
LMCL-P16 LMCL-P16	9	34.3	<u>-</u> -	40.6	34.1 34.1	60.4	60.4	70	N N	N N	N/A N/A
LMCL-P16	10	41.3	-	40.6	34.1	60.3	60.4	70	N	N	N/A
LMCL-P17 LMCL-P17	1 2	9.8 13.3	<u>-</u>	0	0	49.4 49.4	49.4 49.4	70 70	N N	N N	N/A N/A
LMCL-P17	3	16.8	-	0	0	49.4	49.4	70	N	N	N/A
LMCL-P17	4	20.3	-	0	0	49.4	49.4	70	N	N	N/A
LMCL-P17 LMCL-P17	5 6	23.8 27.3	<u>-</u>	0	0	49.4 49.4	49.4 49.4	70 70	N N	N N	N/A N/A
LMCL-P17	7	30.8	-	0	0	49.4	49.4	70	N	N	N/A
LMCL-P17	8	34.3	-	0	0	49.4	49.4	70	N	N	N/A
LMCL-P17 LMCL-P17	9	37.8 41.3	-	0	0	49.4 49.5	49.4 49.5	70 70	N N	N N	N/A N/A
LMCL-P17 LMCL-P18	10	9.7	<u>-</u> -	0	0	53.2	53.2	70	N N	N N	N/A N/A
_MCL-P18	2	13.2	-	0	0	53.3	53.3	70	N	N	N/A
_MCL-P18 _MCL-P18	3	16.7 20.2	-	0	0	53.3 53.4	53.3 53.4	70 70	N N	N N	N/A N/A
LMCL-P18 LMCL-P18	5	23.7	-	0	0	53.4	53.4	70	N N	N N	N/A N/A
-1110-110			-	0	0	53.5	53.5	70	N	N	N/A
LMCL-P18	6	27.2	-							<u> </u>	
	6 7 8	30.7 34.2	<u>-</u> - -	0	0	53.6 53.7	53.6 53.7	70 70	N N	N N	N/A N/A

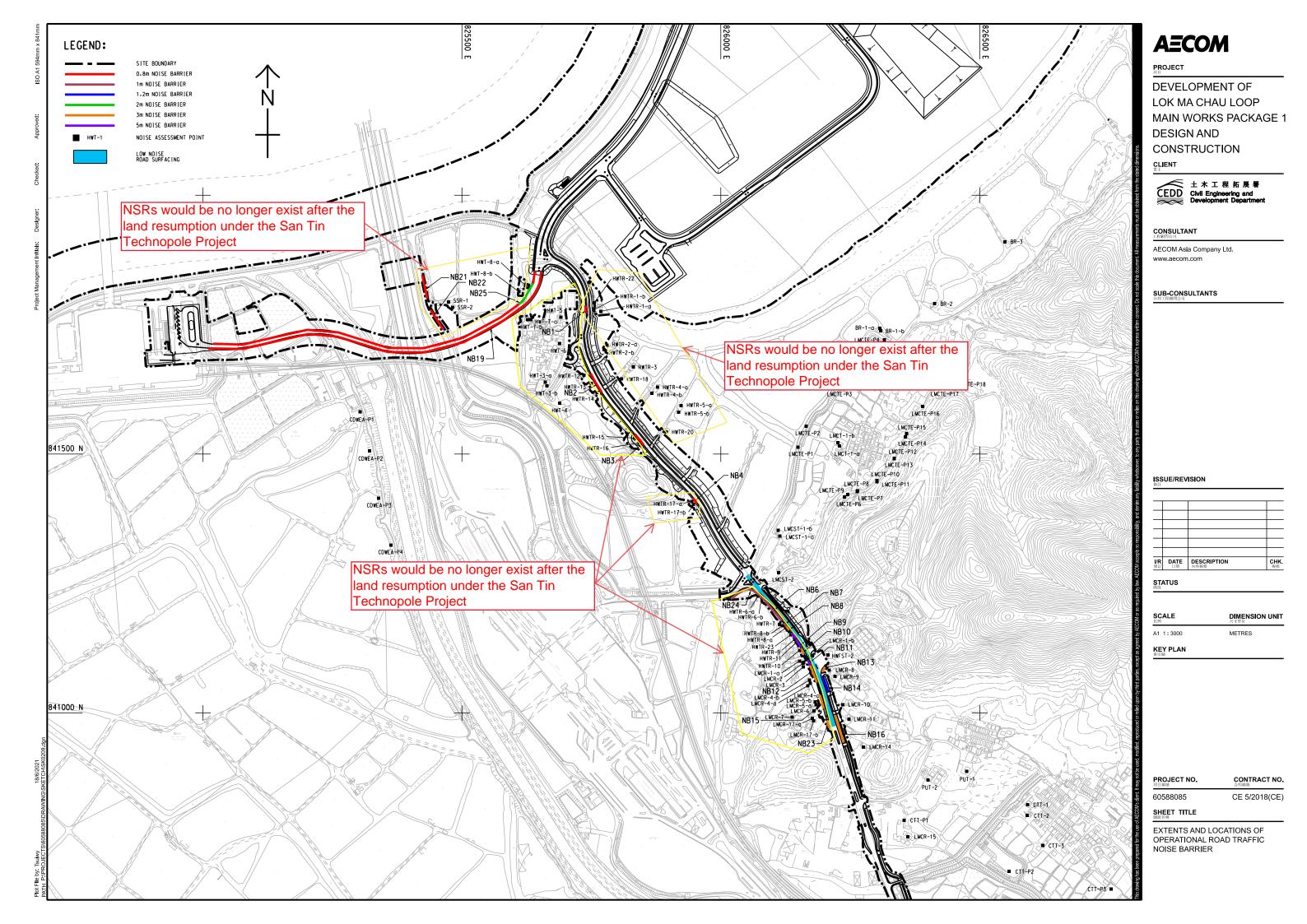
		Without Project With Project									
Receviers			Overall noise	Overall noise	ı	Noise Level dB(A)		Noise	New Road	Overall	Major Concerned Roads
ID	FL	mP.D.	Level at 2016 dB(A)	Level at 2042 dB(A)	EXISTING ROADS at 2042	NEW ROADS at 2042	ALL ROADS at 2042	Criteria	Exceedance (Y/N)	Exceedance (Y/N)	Causing Exceedance
LMCL-P19	1	9.7	-	0	0	54.9	54.9	70	N	N	N/A
LMCL-P19	2	13.2	-	0	0	54.9	54.9	70	N	N	N/A
LMCL-P19	3	16.7	-	0	0	54.8	54.8	70	N	N	N/A
LMCL-P19	4	20.2	-	0	0	54.8	54.8	70	N	N	N/A
LMCL-P19	5	23.7	-	0	0	54.8	54.8	70	N	N	N/A
LMCL-P19 LMCL-P19	6 7	27.2 30.7	<u>-</u>	0	0	54.7 54.6	54.7 54.6	70 70	N N	N N	N/A N/A
LMCL-P19	8	34.2	<u> </u>	0	0	54.5	54.5	70	N N	N N	N/A
LMCL-P19	9	37.7	-	0	0	54.4	54.4	70	N	N	N/A
LMCL-P20	1	9.7	-	0	0	55.7	55.7	70	N	N	N/A
LMCL-P20	2	13.2	-	0	0	55.5	55.5	70	N	N	N/A
LMCL-P20	3	16.7	-	0	0	55.3	55.3	70	N	N	N/A
LMCL-P20	4	20.2	-	0	0	55.1	55.1	70	N	N	N/A
LMCL-P20 LMCL-P20	5 6	23.7 27.2	<u>-</u>	0	0	54.9 54.8	54.9 54.8	70 70	N N	N N	N/A N/A
LMCL-P20	7	30.7	<u> </u>	0	0	54.7	54.7	70	N	N	N/A
LMCL-P20	8	34.2	-	0	0	54.8	54.8	70	N	N	N/A
LMCL-P20	9	37.7	-	0	0	55.1	55.1	70	N	N	N/A
LMCL-P21	1	9.7	-	29.8	29.6	53.8	53.8	70	N	N	N/A
LMCL-P21	2	13.2	-	29.8	29.6	53.8	53.8	70	N	N	N/A
LMCL P21	3	16.7	-	29.8	29.6	53.6	53.6	70 70	N	N N	N/A
LMCL-P21 LMCL-P21	4 5	20.2 23.7	-	29.7 29.7	29.5 29.5	53.5 53.3	53.5 53.3	70 70	N N	N N	N/A N/A
LMCL-P21	6	27.2	<u> </u>	29.7	29.5	53.3	53.3	70	N N	N N	N/A N/A
LMCL-P21	7	30.7	-	29.7	29.5	52.8	52.9	70	N	N	N/A
LMCL-P21	8	34.2	-	29.7	29.5	52.5	52.5	70	N	N	N/A
LMCL-P21	9	37.7	-	29.7	29.5	52.2	52.2	70	N	N	N/A
LMCL-P22	1	9.7	-	30.7	29.7	54	54	70	N	N	N/A
LMCL P22	2	13.2	-	30.7	29.7	54	54	70	N	N	N/A
LMCL-P22 LMCL-P22	3	16.7 20.2	-	30.7 30.6	29.7 29.6	53.9 53.8	53.9 53.8	70 70	N N	N N	N/A N/A
LMCL-P22	5	23.7	-	30.6	29.6	53.7	53.7	70	N N	N N	N/A N/A
LMCL-P22	6	27.2		30.6	29.6	53.5	53.5	70	N	N	N/A
LMCL-P22	7	30.7	-	30.6	29.6	53.2	53.3	70	N	N	N/A
LMCL-P22	8	34.2	-	30.6	29.6	53	53	70	N	N	N/A
LMCL-P22	9	37.7	-	30.6	29.6	52.8	52.8	70	N	N	N/A
LMCL-P23	1	9.7	-	26.7	-5.1	56.6	56.6	70	N	N	N/A
LMCL-P23	2	13.2	-	26.7	-4.6	56.5	56.5	70	N	N	N/A
LMCL-P23	3	16.7	-	26.7	-3.9	56.3	56.3	70	N	N	N/A
LMCL-P23 LMCL-P23	4	20.2	-	26.7 26.7	-3.3 -2.7	56.2	56.2 56	70 70	N N	N N	N/A N/A
LMCL-P23	5 6	27.2	<u>-</u>	26.7	-2.1 -2.1	56 55.9	55.9	70	N N	N N	N/A N/A
LMCL-P23	7	30.7	-	26.7	-1.5	55.8	55.8	70	N	N	N/A
LMCL-P23	8	34.2	-	26.7	-1	55.6	55.6	70	N	N	N/A
LMCL-P23	9	37.7	-	26.7	-0.3	55.4	55.4	70	N	N	N/A
LMCL-P24	1	9.8	-	33.8	4.8	60.6	60.6	70	N	N	N/A
LMCL-P24	2	13.3	-	33.8	5.1	60.3	60.3	70	N	N	N/A
LMCL-P24	3	16.8	-	33.8	5.6	60	60	70	N	N	N/A
LMCL-P24 LMCL-P24	4 5	20.3 23.8	-	33.8 33.8	6.1 6.7	59.7 59.5	59.7 59.5	70 70	N N	N N	N/A N/A
LMCL-P24	6	27.3	<u> </u>	33.8	7.3	59.3	59.3	70	N	N	N/A
LMCL-P24	7	30.8	-	33.8	7.9	59.2	59.2	70	N	N	N/A
LMCL-P24	8	34.3	-	33.8	8.5	59	59	70	N	N	N/A
LMCL-P24	9	37.8	-	33.8	9.2	58.9	58.9	70	N	N	N/A
LMCL-P24	10	41.3	-	33.8	9.9	58.7	58.7	70	N	N	N/A
LMCL P25	1	9.8	-	40.2	37.3	67.9	67.9	70	N	N	N/A
LMCL-P25 LMCL-P25	3	13.3 16.8	-	40.2 40.2	37.3 37.3	67.4 66.8	67.4 66.8	70 70	N N	N N	N/A N/A
LMCL-P25	4	20.3	<u> </u>	40.2	37.3	66.3	66.3	70	N N	N N	N/A N/A
LMCL-P25	5	23.8	-	40.2	37.3	65.8	65.8	70	N	N	N/A
LMCL-P25	6	27.3	-	40.2	37.3	65.3	65.3	70	N	N	N/A
LMCL-P25	7	30.8	-	40.2	37.3	65	65	70	N	N	N/A
LMCL-P25	8	34.3	-	40.2	37.3	64.6	64.6	70	N	N	N/A
LMCL-P25	9	37.8	-	40.2	37.3	64.3	64.3	70	N	N	N/A
LMCL P25	10	41.3	-	40.2	37.3	64	64	70	N	N	N/A
LMCL-P26 LMCL-P26	2	9.7 13.2	-	22.9 22.9	-7.6 -6.9	54.1 54	54.1 54	70 70	N N	N N	N/A N/A
LMCL-P26	3	16.7	<u>-</u>	22.9	-6.9 -6.1	53.8	53.8	70	N N	N N	N/A N/A
LMCL-P26	4	20.2	<u> </u>	22.9	-5.4	53.7	53.7	70	N N	N N	N/A
LMCL-P26	5	23.7	-	22.9	-4.7	53.6	53.6	70	N	N	N/A
LMCL-P26	6	27.2	-	22.9	-3.9	53.4	53.4	70	N	N	N/A
LMCL-P27	1	9.7	-	0	0	55.2	55.2	70	N	N	N/A
LMCL-P27	2	13.2	-	0	0	55	55	70	N	N	N/A
LMCL-P27	3	16.7	-	0	0	54.9	54.9	70	N	N	N/A
LMCL P27	4	20.2	-	0	0	54.8	54.8	70 70	N	N N	N/A
LMCL-P27 LMCL-P27	5 6	23.7 27.2	-	0	0	54.7 54.6	54.7 54.6	70 70	N N	N N	N/A N/A
LMCL-P27 LMCL-P28	1	9.7	<u>-</u>	0	0	55.5	54.6	70	N N	N N	N/A N/A
LMCL-P28	2	13.2	<u> </u>	0	0	55.2	55.2	70	N	N N	N/A
LMCL-P28	3	16.7	-	0	0	55.1	55.1	70	N	N	N/A
LMCL-P28	4	20.2	-	0	0	54.8	54.8	70	N	N	N/A
	T -	23.7	-	0	0	54.7	54.7	70	N	N	N/A
LMCL-P28 LMCL-P28	5	27.2		0	0	54.4	54.4	70	N	N	N/A

Appendix 1.2

Summary of Road Traffic Noise Mitigation Proposal for the Project

(Extracted from Appendix 4.2 of the Environmental Review Report submitted under VEP-595/2021 dated 16 July 2021)

Permanent Noise Barrier	Anticipated Completion of Construction by
NB13	Oct 2024
NB14	Oct 2024
NB16	Oct 2024
NB19	Oct 2024
NB25	Oct 2024



Appendix 2.1

Locations of the Representative Noise Sensitive Receivers

NSR No.	Location	Photo
HWFST-2	Village house, Ha Wan Fisherman San Tsuen	
HWT-3	Village house, Ha Wan Tsuen	
HWT-4	Village house, Ha Wan Tsuen	
HWT-5	Village house, Ha Wan Tsuen	

NSR No.	Location	Photo
HWT-6	Village house, Ha Wan Tsuen	
HWT-7	Village house, Ha Wan Tsuen	
HWT-8	Village house, Ha Wan Tsuen	
HWTR-1	Village house, Ha Wan Tsuen Road	

NSR No.	Location	Photo
HWTR-2	Village house, Ha Wan Tsuen Road	
HWTR-3	Village house, Ha Wan Tsuen Road	
HWTR-4	Village house, Ha Wan Tsuen Road	
HWTR-5	Village house, Ha Wan Tsuen Road	

NSR No.	Location	Photo
HWTR-6	Village house, Ha Wan Tsuen Road	
HWTR-7	Village house, Ha Wan Tsuen Road	
HWTR-8	Village house, Ha Wan Tsuen Road	
HWTR-9	Village house, Ha Wan Tsuen Road	

NSR No.	Location	Photo
HWTR-10	Village house, Ha Wan Tsuen Road	
HWTR-11	Village house, Ha Wan Tsuen Road	
HWTR-12	Village house, Ha Wan Tsuen Road	
HWTR-13	Village house, Ha Wan Tsuen Road	

NSR No.	Location	Photo
HWTR-14	Village house, Ha Wan Tsuen Road	
HWTR-15	Village house, Ha Wan Tsuen Road	
HWTR-16	Village house, Ha Wan Tsuen Road	
HWTR-17	Village house, Ha Wan Tsuen Road	

NSR No.	Location	Photo
HWTR-18	Village house, Ha Wan Tsuen Road	
HWTR-20	Village house, Ha Wan Tsuen Road	
HWTR-22	Village house, Ha Wan Tsuen Road	
HWTR-23	Village house, Ha Wan Tsuen Road	

NSR No.	Location	Photo
LMCR-1	Village house, Lok Ma Chau Road	
LMCR-2	Village house, Lok Ma Chau Road	
LMCR-3	Village house, Lok Ma Chau Road	
LMCR-4	Village house, Lok Ma Chau Road	LNC Monst Lecrus 上記 Cartis 上記 Cartis 上記 Cartis

NSR No.	Location	Photo
LMCR-5	Village house, Lok Ma Chau Road	
LMCR-6	Village house, Lok Ma Chau Road	
LMCR-7	Village house, Lok Ma Chau Road	
LMCR-8	Village house, Lok Ma Chau Road	

NSR No.	Location	Photo
LMCR-9	Village house, Lok Ma Chau Road	
LMCR-10	Village house, Lok Ma Chau Road	
LMCR-11	Village house, Lok Ma Chau Road	
LMCR-14	Village house, Lok Ma Chau Road	

NSR No.	Location	Photo
LMCR-15	Village house, Lok Ma Chau Road	
LMCR-17	Village house, Lok Ma Chau Road	
LMCST-1	Village house, Lok Ma Chau San Tsuen	
LMCST-2	Village house, Lok Ma Chau San Tsuen	

NSR No.	Location	Photo
SSR-1	Village house, San Shan Road	
SSR-2	Village house, San Shan Road	

Traffic Data at Year 2042 (With Project)

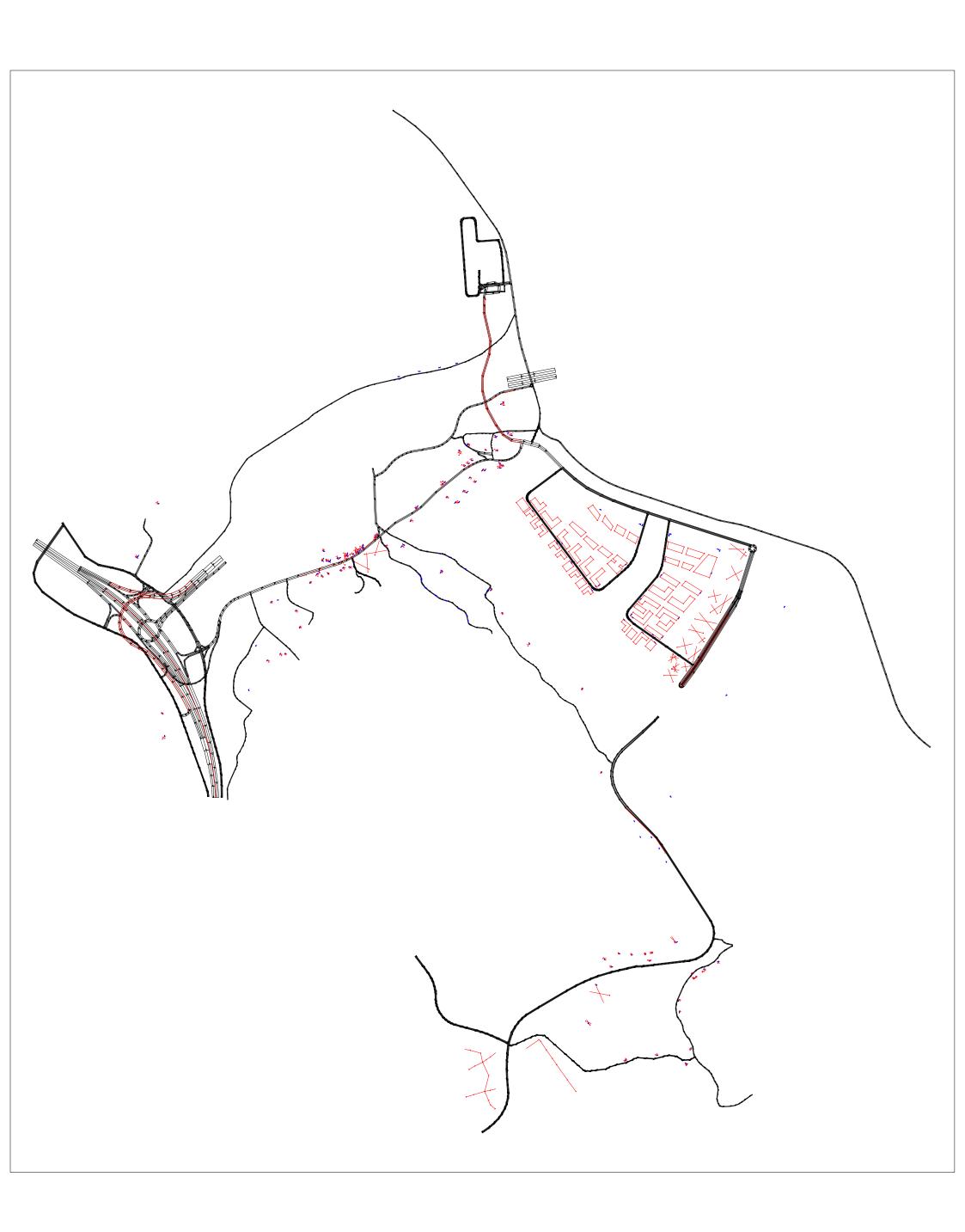
(Extracted from Appendix 4-13 of the Approved EIA Report)

11 3 3 5 5 6 6 7 7 8 8 9 9 9	1 3 5	Street Border Road	From	То	Dir	M/C	P/C	Taxi	LGV	MGV	HGV	PLB	NFB	FBSD	ERDD	Elect Bus	Veh/hr	
7	1 3 5	Border Road					1,70	I axi						. 555		Lieut Dus		% I
8	3 5 6		Track near Border Road	Lok Ma Chau Station	2-way	0	8	2	2	0	0	0	0	0	0	0	12	16
8	5 6	Border Road	Lok Ma Chau Station	Lok Ma Chau Station	2-way	0	8	2	2	0	0	0	0	0	0	0	12	10
8	6	Roads within Lok Ma Chau Station	Roads within Lok Ma Chau	Roads within Lok Ma Chau Station	WB	0	0	0	0	0	0	14	44	4	12	0	74	10
8	6		Station		WD	U	U	0	U	U	U	14	44	4	12	U	74	
£		Roads within Lok Ma Chau Station	Roads within Lok Ma Chau Station	Roads within Lok Ma Chau Station	SB	0	0	0	0	0	0	14	44	4	12	0	74	1
9	7	Roads within Lok Ma Chau Station	Roads within Lok Ma Chau	Roads within Lok Ma Chau Station	-				-						 			+
9	,	riodos within Eok ivia Oriad Station	Station	Trodus Within Eok Ma Orlad Station	SB	0	0	0	0	0	0	22	44	4	12	0	82	1
5	В	Roads within Lok Ma Chau Station	Roads within Lok Ma Chau	Roads within Lok Ma Chau Station	NB	0	0	0	0	0	0	22	44	4	12	0	82	1
1			Station		IND	U	U	U	U	U	U	22	44	4	12	U	02	_ '
1	9	Roads within Lok Ma Chau Station	Roads within Lok Ma Chau	Roads within Lok Ma Chau Station	NB	2	96	546	9	7	1	0	0	0	0	0	661	
	10	Roads within Lok Ma Chau Station	Station Roads within Lok Ma Chau	Roads within Lok Ma Chau Station	<u> </u>				-						 		 	+-
l'	10	Hodos Within Eok Ma Chao Station	Station	Hodds Within Lok Ma Chau Station	WB	1	76	440	14	11	2	0	0	0	0	0	544	
	11+12	Roads within Lok Ma Chau Station	Roads within Lok Ma Chau	Roads within Lok Ma Chau Station											1			+
			Station		2-way	3	172	986	23	18	3	0	0	0	0	0	1205	
1	13	Lok Ma Chau Station Local Road	Lok Ma Chau Station Local Road	Lok Ma Chau Station Local Road	WB	0		_	F4		0	0	_	0	0	0		,
					WD	U	4	0	54	0	U	U	0	U	U	U	58	
1	14	Lok Ma Chau Station Local Road	Lok Ma Chau Station Local Road	Lok Ma Chau Station Local Road	FB	0	4	0	25	0	0	0	0	0	0	0	29	
	15	Border Road	Lok Ma Chau Station	Tun Yu Road	L					-					<u> </u>			
					2-way	7	176	899	25	18	3	19	90	5	15	0	1257	Ļ.
	17	Tun Yu Road	Border Road	Castle Peak Road - Chau Tau	2-way	3	53	10	4	2	0	0	0	0	0	0	72	_
1	19	Border Road Border Boad	Tun Yu Road Border Boad Boundabout	Border Road Roundabout Village Road near Ha Wan Tsuen	2-way	7	176	899	25	18	3	19	90	5	15	0	1257	<u> </u>
2	21			· · · · · · · · · · · · · · · · · · ·	2-way	5	7	4	0	0	0	0	0	0	0	0	16	<u> </u>
2	27	Border Road	Lok Ma Chau Road	Border Road	2-way	6	8	4	2	0	0	0	0	0	0	0	20	Ļ.
	33	Track near Ha Wan Tsuen	Lok Ma Chau Road	Road near Ha Wan Tsuen	2-way	6	18	10	4	2	0	0	0	0	0	0	40	<u>.</u>
3	37	Track near Ha Wan Tsuen	Road near Ha Wan Tsuen	Road near Ha Wan Tsuen	2-way	4	14	8	2	2	0	0	0	0	0	0	30	
4	41	Lung Hau Road	Ha Wan Tsuen Road	Lok Ma Chau Road	WB	4	98	499	10	7	1	9	45	2	7	0	682	
۵	42	Lung Hau Road	Lok Ma Chau Road	Ha Wan Tsuen Road	NB	3	78	396	15	11	2	10	45	3	8	0	571	
Δ	43	Border Road	Ha Wan Tsuen Road	Base Case	2-way	10	15	8	17	0	0	0	0	0	0	0	50	
۵	45	Road near Lok Ma Chau San Tsuen	Lok Ma Chau Road	Near Lok ma Chau Tsuen	2-way	2	10	6	2	0	0	0	0	0	0	0	20	Γ.
					Z-way	-	10	0	-	U	U	U	U	U	U	U	20	
4	49	Lok Ma Chau Road	Track near Lok Ma Chau Road	Lok Ma Chau Road	WB	1	5	3	1	0	0	0	0	0	0	0	10	
	50	Lok Ma Chau Road	Lok Ma Chau Road	Track near Lok Ma Chau Road	EB	1	-	-	-		0	_	_	_	-		10	┼
	50	Lok Ma Chau Road	Lok Ma Chau Road	End of Lok Ma Chau Road	-		5	3	1	0	_	0	0	0	0	0	10	1
	51				EB	1	2	1	0	0	0	0	0	0	0	0	4	<u> </u>
	52	Lok Ma Chau Road	End of Lok Ma Chau Road	Lok Ma Chau Road	WB	1	2	1	0	0	0	0	0	0	0	0	4	<u> </u>
	53	Track near Lok Ma Chau Road	Lok Ma Chau Road	Ha Wan Fisherman San Tsuen	2-way	2	6	4	2	0	0	0	0	0	0	0	14	
Ę	57	Road near Pun Uk Tsuen	Lok Ma Chau Road	Pun Uk Tsuen	2-way	4	14	8	2	2	0	0	0	0	0	0	30	
e	61	Chau Tau West Road	Lok Ma Chau Road	Chau Tau South Road	2-way	2	25	5	0	0	0	0	0	0	0	0	32	
e	64	Lok Ma Chau Road	Castle Peak Road - Chau Tau	Chau Tau West Road	NB	3	92	468	26	20	8	78	45	34	54	0	828	
6	65	Chau Tau West Road	Chau Tau South Road	Chau Tau Tsuen	2-way	3	49	9	16	7	2	0	0	0	0	0	86	
6	67	Chau Tau South Road	Chau Tau West Road	Chau Tau Tsuen	2-way	3	52	9	16	7	2	0	0	0	0	0	89	:
€	69	Local Road near Chau Tau	Chau Tau South Road	Road near Castle Peak Road - Chau Tau	2-way	6	91	17	30	14	3	0	- 1	0	0	0	162	2
7	71	Castle Peak Road - Chau Tau	Lok Ma Chau Road	Road near Pak Shek Au	EB	13	159	125	21	11	8	14	5	0	1	0	357	1
7	72	Castle Peak Road - Chau Tau	Road near Pak Shek Au	Lok Ma Chau Road	WB	14	199	174	24	32	22	9	4	0	- 1	0	479	
7	77	Eastern Road Option	Eastern Road Option	Eastern Road Option	EB	31	495	93	1	1	0	0	3	13	0	0	637	
7	78	Eastern Road Option	Eastern Road Option	Eastern Road Option	WB	21	342	64	3	2	1	0	2	13	0	0	448	1
7	79	Eastern Road Option	Eastern Road Option	Eastern Road Option	WB	21	342	64	3	2	1	0	2	13	0	0	448	
٤	80	Eastern Road Option	Eastern Road Option	Eastern Road Option	EB	31	495	93	1	1	0	0	3	13	0	0	637	t
1	B1	Eastern Road Option	Eastern Road Option	KTN	SB	32	506	95	5	3	1	0	3	13	0	0	658	\vdash
,	R2	Eastern Road Option	KTN	Eastern Road Option	NB	22	348	65	6	3	1	0	2	13	0	0	460	
,	83	Border Boad	Border Boad	Ma Tso Lung Road	2-way	0	0	0	0	0	0	0	0	0	0	0	0	
	R7	Local Road near Tai Shek Mo	Border Road	Local Road near Liu Pok	2-way	3	49	10	11	7	3	0	0	0	0	0	83	+
	99	Fanling Highway	Road near Castle Peak Road -	San Tin Interchange	,						Ŭ	_						1
3	-	g Highway	Chau Tau		EB	110	2,685	314	457	570	294	59	67	3	20	0	4579	:
	100	Fanling Highway	San Tin Interchange	Road near Castle Peak Road - Chau Tau	WB	136	3.013	366	571	485	249	81	76	4	22	0	5003	1
	102	Slip Road from Fanling Highway	Road near Cross Boundary	Fanling Highway			-,-								1			1
]	Shuttle Bus San Tin Terminus		EB	55	687	138	131	166	28	0	7	0	0	0	1212	
3 1	103	San Tin Highway	Fanling Highway	San Tin Highway	WB	107	2,282	317	439	462	247	73	57	3	17	0	4004	
1 1	104	San Tin Highway	San Tin Highway	Fanling Highway	EB	91	2,314	233	444	297	236	89	65	3	20	0	3792	-
5 1	105	San Sham Road	San Tin Interchange	BCP	SB	0	672	0	5	7	154	0	7	0	0	0	845	
	106	San Sham Road	BCP	San Tin Interchange	NB	5	386	0	0	1	2	0	4	0	0	0	398	t
	107	Slip Road from San Tin Interchange	- * .	San Tin Highway	WB	52	951	160	84	133	90	20	22	1	6	0	1519	:

			k) 		2042 (in Veh/hr) Total											otal		
)	TIA ID	Street	From	То	Dir	M/C	P/C	Taxi	LGV	MGV	HGV	PLB	NFB	FBSD	FBDD	Elect Bus	Veh/hr	% H
8	108	San Sham Road	BCP	San Tin Interchange	NB	41	866	129	108	59	68	22	29	24	6	0	1352	23.4
21	221	Slip Road from San Tin Interchange	Road near Castle Peak Road - San Tin	San Tin Interchange	EB	5	184	15	61	66	70	2	4	0	1	0	408	50.0
22	222	Kwu Tung Road	Road between Kwu Tung Road and Slip Road from Fanling Highway	Road between Kwu Tung Road and Slip Road from Fanling Highway	WB	10	100	5	48	67	46	0	1	0	0	0	277	58.5
25	225	Road between Kwu Tung Road and Slip Road from Fanling Highway	Kwu Tung Road	Fanling Highway	NB	5	187	15	61	67	70	2	4	0	1	0	412	49.8
26	226	Kwu Tung Road	Road between Kwu Tung Road and Slip Road from Fanling Highway	Road South of Kwu Tung Road	WB	11	101	6	48	68	46	0	1	0	0	0	281	58.0
28	228	Kwu Tung Road	Road South of Kwu Tung Road	Road between Kwu Tung Road and Slip Road from Fanling Highway	EB	0	0	0	0	2	1	0	0	0	0	0	3	100.
13	233	Kwu Tung Road	Road South of Kwu Tung Road	Slip Road from San Tin Interchange	WB	5	165	13	64	67	62	2	4	0	1	0	383	52.2
34	234	Kwu Tung Road	Slip Road from San Tin Interchange	Road South of Kwu Tung Road	EB	5	51	3	27	47	57	0	1	0	0	0	191	69.
36	236	Kwu Tung Road	Slip Road from San Tin Interchange	Ka Lung Road	SB	6	110	11	44	39	48	1	4	0	1	0	264	51.9
37	237	Slip Road to San Sham Road	Slip Road to San Sham Road	San Sham Road	NB	6	112	7	26	67	69	0	1	0	0	0	288	56.0
0	240	Kwu Tung Road	Kwu Tung Road near Fanling Highway	Kwu Tung Road near San Tin Highway	WB	6	106	10	43	38	47	1	4	0	1	0	256	52.
1	241	Kwu Tung Road	Kwu Tung Road near San Tin Highway	Kwu Tung Road near Fanling Highway	EB	6	114	7	26	69	70	0	1	0	0	0	293	56.
2	242	Slip Road from San Tin Interchange	Slip Road from Fanling Highway	Kwu Tung Road	SB	16	163	22	18	56	56	0	2	0	0	0	333	39
3	243	Kwu Tung Road	Road near Kwu Tung Road	Slip Road from San Tin Interchange	WB	15	214	24	30	67	102	1	5	0	1	0	459	44
1	244	Kwu Tung Road	Slip Road from San Tin Interchange	Road near Kwu Tung Road	NB	0	145	11	8	44	101	0	1	0	0	0	310	49
5	245	Slip Road from San Tin Interchange	-	Kwu Tung Road near Fanling Highway	NB	0	3	1	1	1	2	0	0	0	0	0	8	50
6	246	Slip Road from San Tin Interchange	Interchange	Slip Road from San Tin Highway	WB	32	807	144	56	72	60	19	20	1	6	0	1217	19
7 B	247	Castle Peak Road - Chau Tau	Lok Ma Chau Road	Local Road near Wing Ping Tsuen	WB	24	388	73	52	23	12	11	47	20	2	0	652	25
	248	Castle Peak Road - Chau Tau	Local Road near Wing Ping Tsuen	Lok Ma Chau Road	EB	30	476	89	96	43	23	12	47	0	2	0	818	27
)	249 251	Local Road near Wing Ping Tsuen Castle Peak Road - Chau Tau	Wing Ping Tsuen Local Road near Wing Ping	Castle Peak Road - Chau Tau Castle Peak Road - San Tin	2-way	31	107	66	57	26	6	0	1	0	0	0	294	30
	251	Castle Peak Hoad - Chau Tau	Tsuen	Castle Peak Road - San Tin	WB	24	387	73	157	71	28	20	47	0	4	0	811	40
2	252	Castle Peak Road - San Tin	Castle Peak Road - San Tin	Local Road near Wing Ping Tsuen	EB	28	455	85	130	59	23	14	47	0	3	0	844	32
3	253	Slip Road from San Tin Interchange	San Tin Highway	San Tin Interchange	EB	8	535	73	19	15	11	4	8	0	1	0	674	8
1	254	Slip Road from San Tin Interchange	Slip Road from San Tin Interchange	Castle Peak Road - Chau Tau	NB	0	340	67	16	3	23	31	7	0	2	0	489	16
5	255	San Tin Highway	San Tin Highway	San Tin Highway	EB	102	3,202	358	481	342	307	105	88	5	27	0	5017	27
3	256	San Tin Highway	San Tin Highway	San Tin Highway	WB	140	3,103	462	501	563	270	92	77	4	22	0	5234	29
2	301 302	Slip Road to San Sham Road Slip Road from San Tin Interchange	San Tin Highway Castle Peak Road - Chau Tau	Sam Sham Road San Tin Interchange	NB SB	23	334	60	1 88	5 33	57 67	19	13	23	11	0	63 671	10
3	303	Slip Road from Fanling Highway	San Tin Highway	San Sham Road	NB	0	0	0	0	42	23	0	0	0	0	0	65	10
4	304	San Sham Road		San Sham Road	NB	0	0	0	33	49	59	0	0	0	0	0	141	10
2	402	San Shan Road	San Tin Interchange	Castle Peak Road - Chau Tau	NB	89	307	188	5	36	110	0	3	0	0	0	738	20
3	403	Slip Road to Fanling Highway	Road near Cross Boundary Shuttle Bus San Tin Terminus	Fanling Highway	EB	91	1,201	145	153	197	33	4	12	23	3	0	1862	22
	404	Lok Ma Chau Road	Lok Ma Chau Road	Castle Peak Road - Chau Tau	SB	1	4	19	1	1	0	0	0	0	0	0	26	7
	405	Lok Ma Chau Road	Lok Ma Chau Road	Castle Peak Road - Chau Tau	SB	5	34	173	21	16	6	0	44	17	27	0	343	38
i	406	Lok Ma Chau Road	Castle Peak Road - Chau Tau	Lok Ma Chau Road	NB	13	151	491	29	22	9	0	1	22	21	0	759	1:
,	407	Lok Ma Chau Road	Castle Peak Road - Chau Tau	Lok Ma Chau Road	NB	1	3	18	0	0	0	1	44	0	1	0	68	6
3	408	Track near Ha Wan Tsuen	Track near Ha Wan Tsuen	Local Road near San Sham Road	2-way	4	14	8	2	2	0	0	0	0	0	0	30	1
0	410	Track near Ha Wan Tsuen	Track near Ha Wan Tsuen	Track near Ha Wan Tsuen	2-way	4	14	8	2	2	0	0	0	0	0	0	30	10
4	414	Local Road near LMC Station	LMC Station	Border Road	NB	1	76	395	14	11	2	10	45	3	8	0	565	10
5	415	Local Road near LMC Station	Border Road	LMC Station	SB	2	96	501	9	7	1	9	45	2	7	0	679	1
6	416	Local Road near LMC Loop	Border Road	Loop Internal Road	EB	4	5	3	1	0	0	0	0	0	0	0	13	7
		Local Road near LMC Loop	Loop Internal Road	Border Road		5	7	3	1	0	0	0		0		0	16	

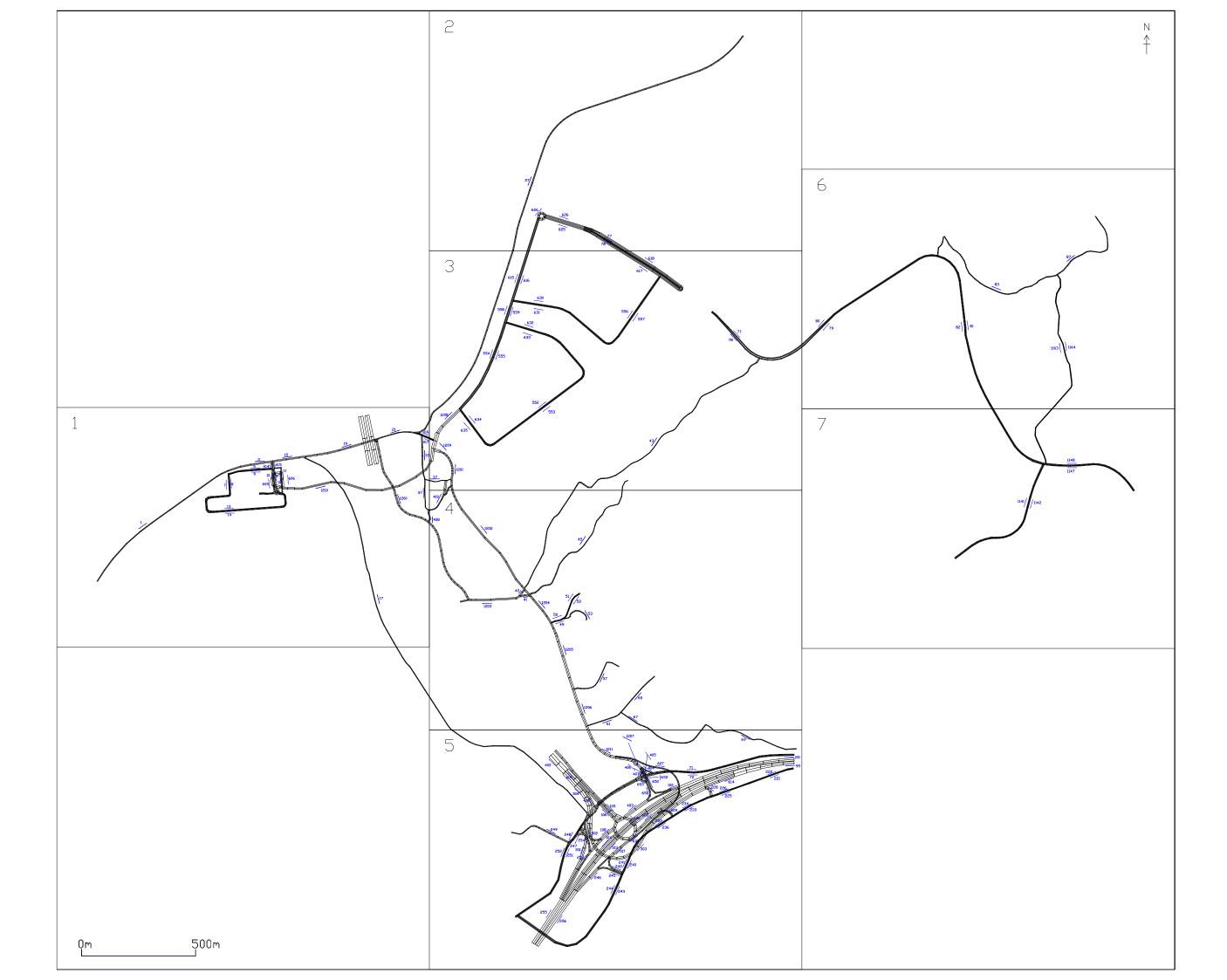
				1		2042 (in Veh/hr) Total										otal		
)	TIA ID	Street	From	То	Dir	M/C	P/C	Taxi	LGV	MGV	HGV	PLB	NFB	FBSD	FBDD	Elect Bus	Veh/hr	% HV
8	418	San Sham Road	Castle Peak Road - Chau Tau	San Sham Road	NB	9	138	26	1	5	16	0	1	0	0	0	196	11.7
9	419	San Sham Road	San Sham Road	San Sham Road	NB	29	467	88	1	6	18	0	3	0	0	0	612	4.6
52	552	Loop Internal Road	Loop Internal Road	Loop Internal Road	EB	1	12	2	0	0	0	0	0	0	0	0	15	0.0
53	553	Loop Internal Road	Loop Internal Road	Loop Internal Road	WB	1	17	3	0	0	0	0	0	0	0	0	21	0.0
54	554	Loop Internal Road	Loop Internal Road	Loop Internal Road	EB	11	184	34	2	1	0	0	1	0	0	126	359	36.2
55	555	Loop Internal Road	Loop Internal Road	Loop Internal Road	WB	22	352	66	3	1	0	0	3	0	0	126	573	23.2
56	556	Loop Internal Road	Loop Internal Road	Loop Internal Road	EB	1	9	2	0	0	0	0	0	0	0	0	12	0.0
57	557	Loop Internal Road	Loop Internal Road	Loop Internal Road	WB	1	16	3	0	0	0	0	0	0	0	0	20	0.0
58	558	Loop Internal Road	Loop Internal Road	Loop Internal Road	EB	10	166	31	1	0	0	0	1	0	0	126	335	38.2
59	559	Loop Internal Road	Loop Internal Road	Loop Internal Road	WB	21	340	64	3	1	0	0	2	0	0	126	557	23.7
05	605	Direct Link to LMC Station	Direct Link to LMC Station	Direct Link to LMC Station	NB	0	0	0	0	0	0	0	0	0	0	126	126	100.0
06	606	Direct Link to LMC Station	Direct Link to LMC Station	Direct Link to LMC Station	SB	0	0	0	0	0	0	0	0	0	0	126	126	100.0
07	607	Road to San Tin Interchange	LMC Road	San Tin Interchange	SB	20	334	168	35	16	6	37	17	28	22	0	683	23.6
08	608	Slip Road to San Sham Road	Fanling Highway	San Tin Interchange	WB	13	484	31	111	94	22	0	5	0	0	0	760	30.5
09	609	Slip near San Tin Interchange	Kwu Tung Road	Slip Road to San Tin Interchange	NB	4	117	3	25	46	23	0	1	0	0	0	219	43.4
14	614	Slip Road from Fanling Highway	Fanling Highway	Slip Road from Fanling Highway	WB	0	0	0	0	40	23	0	0	0	0	0	63	100.0
15	615	Loop Internal Road	Loop Internal Road	Loop Internal Road	NB	11	183	34	1	1	0	0	1	0	0	126	357	36.1
16 17	616 617	Loop Internal Road	Loop Internal Road	Loop Internal Road	SB WB	22	349 45	66 8	3	0	0	0	0	0	0	126 126	570 183	23.3 69.4
18	618	Loop Internal Road Loop Internal Road	Loop Internal Road Loop Internal Road	Loop Internal Road Loop Internal Road	EB	2	27	5	1	0	0	0	0	0	0	126	161	78.9
20	620	San Tin Interchange	San Tin Interchange	San Tin Interchange	EB	25	716	72	99	65	149	8	24	2	10	0	1170	30.5
24	624	I MC Boad	LMC Road	I MC Boad	SB	21	371	354	58	33	13	68	61	54	29	0	1062	29.8
25	625	Loop Internal Road	Loop Internal Road	Loop Internal Road	WB	23	362	68	5	2	1	0	3	12	0	126	602	24.8
26	626	Loop Internal Road	Loop Internal Road	Loop Internal Road	EB	30	473	89	2	1	0	0	3	12	0	126	736	19.6
30	630	Loop Internal Road	Loop Internal Road	Loop Internal Road	EB	6	101	19	2	1	0	0	1	0	0	0	130	3.1
31	631	Loop Internal Road	Loop Internal Road	Loop Internal Road	WB	12	187	35	1	0	0	0	1	0	0	0	236	0.8
32	632	Loop Internal Road	Loop Internal Road	Loop Internal Road	EB	6	96	18	2	1	0	0	1	0	0	0	124	3.2
33	633	Loop Internal Road	Loop Internal Road	Loop Internal Road	WB	9	146	27	1	0	0	0	1	0	0	0	184	1.1
34	634	Loop Internal Road	Loop Internal Road	Loop Internal Road	EB	2	26	5	1	0	0	0	0	0	0	0	34	2.9
35	635	Loop Internal Road	Loop Internal Road	Loop Internal Road	WB	5	80	15	1	0	0	0	1	0	0	0	102	2.0
50	650	Slip Road from Castle Peak Road	Castle Peak Road - Chau Tau	Slip Road from Fanling Highway	SB	4	11	56	4	3	1	0	0	0	0	0	79	10.1
51	651	Slip Road to Castle Peak Road	Slip Road from Fanling Highway	Castle Peak Road - Chau Tau	NB	26	447	273	64	29	15	0	4	0	0	0	858	13.1
52	652	Slip Road to Castle Peak Road	Slip Road from Fanling Highway	Castle Peak Road - Chau Tau	NB	20	351	215	27	12	6	0	4	0	0	0	635	7.7
53	653	Slip Road to Castle Peak Road	Slip Road from Fanling Highway	Castle Peak Road - Chau Tau	NB	6	96	58	37	17	9	0	1	0	0	0	224	28.6
141	1141	Internal Road of KTN	Internal Road of KTN	Internal Road of KTN	NB	22	128	42	17	13	5	0	1	12	2	0	242	20.7
142	1142	Internal Road of KTN	Internal Road of KTN	Internal Road of KTN	SB	6	44	18	9	7	3	0	0	12	0	0	99	31.3
147	1147	Internal Road of KTN	Internal Road of KTN	Internal Road of KTN	EB	43	247	81	10	8	3	0	2	0	0	0	394	5.8
148	1148	Internal Road of KTN	Internal Road of KTN	Internal Road of KTN	WB	67	457	186	18	13	5	0	5	0	3	0	754	5.8
163	1163	Internal Road of KTN	Internal Road of KTN	Local Road near Tai Shek Mo	NB	3	11	4	6	4	2	0	0	0	0	0	30	40.0
164	1164	Internal Road of KTN	Local Road near Tai Shek Mo	Internal Road of KTN	SB	7	25	10	5	3	1	0	0	0	0	0	51	17.6
200	25+26	Road between Border Road and Lung Hau Road	Border Road	Lung Hau Road	2-way		176	895	25	18	3	19	90	5	15	0	1253	14.0
201	31+32	Border Road	Border Road	Ha Wan Tsuen Road	2-way	35	486	99	3	2	0	0	5	38	0	0	668	7.2
202	39+40	Ha Wan Tsuen Road	Road near Ha Wan Tsuen	Lung Hau Road	2-way	37	506	103	5	3	0	0	5	38	0	0	697	7.3
203	41+42	Lung Hau Road	Ha Wan Tsuen Road	Lok Ma Chau Road	2-way	7	176	895	25	18	3	19	90	5	15	0	1253	14.0
204	47+48	Lok Ma Chau Road	Road near Lok Ma Chau San Tsuen	Lok Ma Chau Road	2-way		208	1059	33	26	6	10	90	32	25	0	1496	14.8
205	55+56	Lok Ma Chau Road	Lok Ma Chau Road	Road near Pun Uk Tsuen	2-way	9	227	1161	44	33	6	11	90	33	25	0	1639	14.8
206	59+60	Lok Ma Chau Road	Road near Pun Uk Tsuen	Chau Tau West Road	2-way	9	231	1181	46	34	6	11	90	33	26	0	1667	14.8
207	63+64	Lok Ma Chau Road	Chau Tau West Road	Castle Peak Road - Chau Tau	2-way	4	129	654	49	37	15	109	89	60	61	0	1207	34.8
208	550+551	Loop Internal Road	Western Approach Road	Loop Internal Road	2-way	37	500	102	3	2	0	0	5	40	0	228	917	30.3
209 210	601+602 603+604	Western Approach Road Direct Link to LMC Station	Loop Internal Road LMC Station	Ha Wan Tsuen Road Ha Wan Tsuen Road	2-way	30	493	97 0	0	0	0	0	5	40 0	0	252 252	922 252	32.8 100.0
11U	64+624	LMC Road	LMC Station LMC Road	LMC Road	2-way 2-way	24	463	822	84	53	21	146	106	88	83	252	1890	30.7

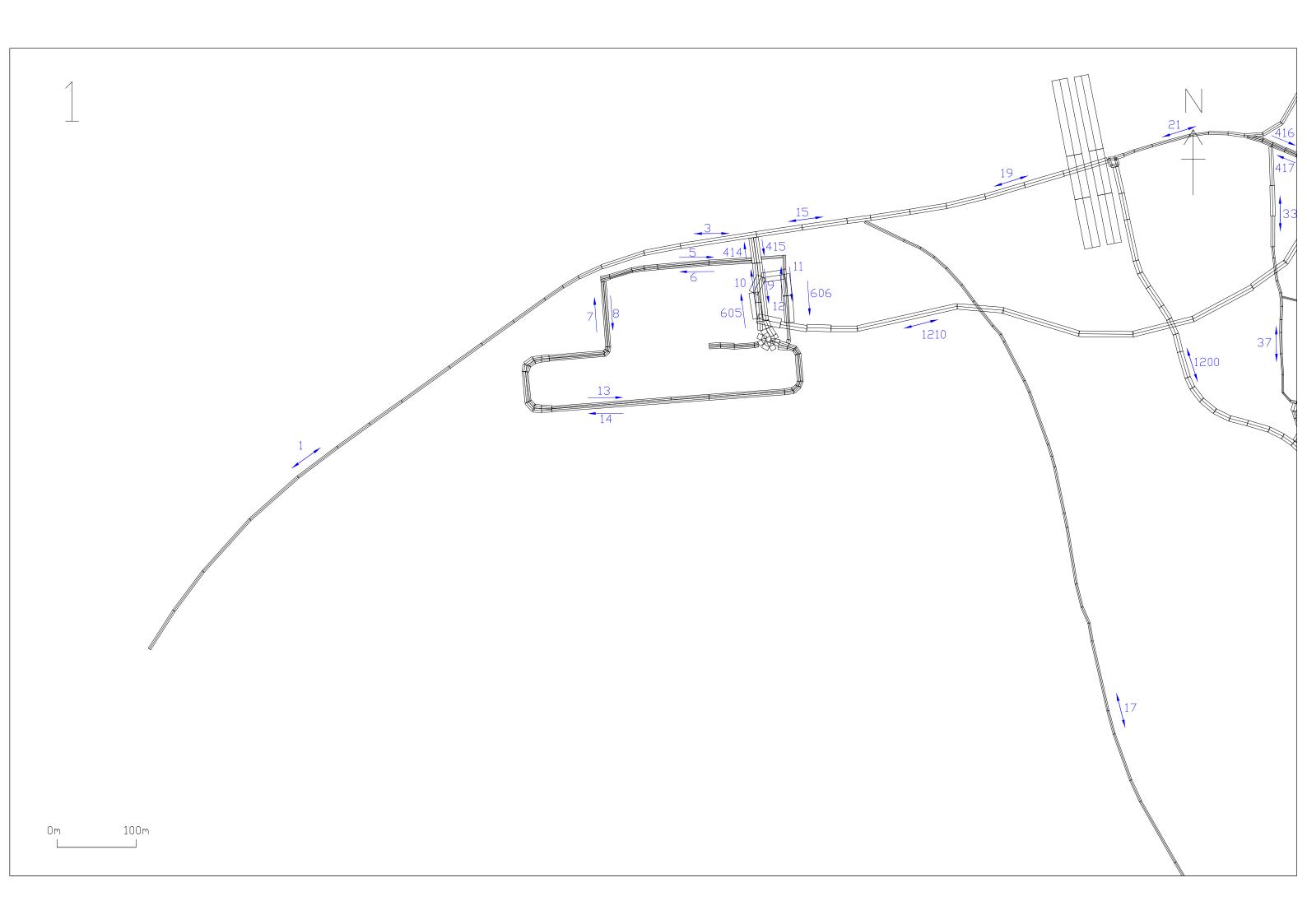
Computer Plot of Road Traffic at 2042 (With Project) (Extracted from Appendix 4-11 of the Approved EIA Report)



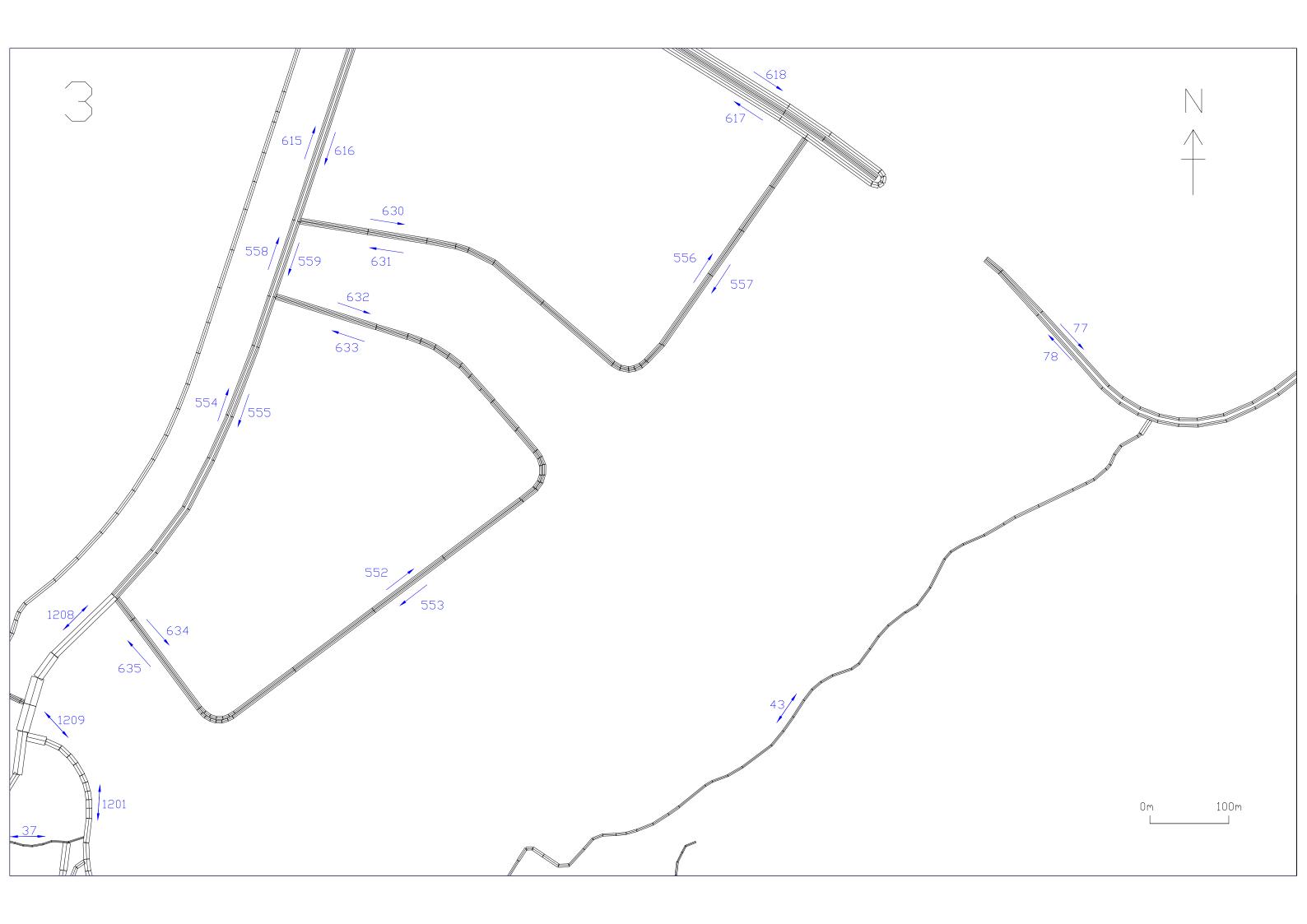
Key Map to Traffic Flow at 2042 (With Project)

(Extracted from Appendix 4-12 of the Approved EIA Report)

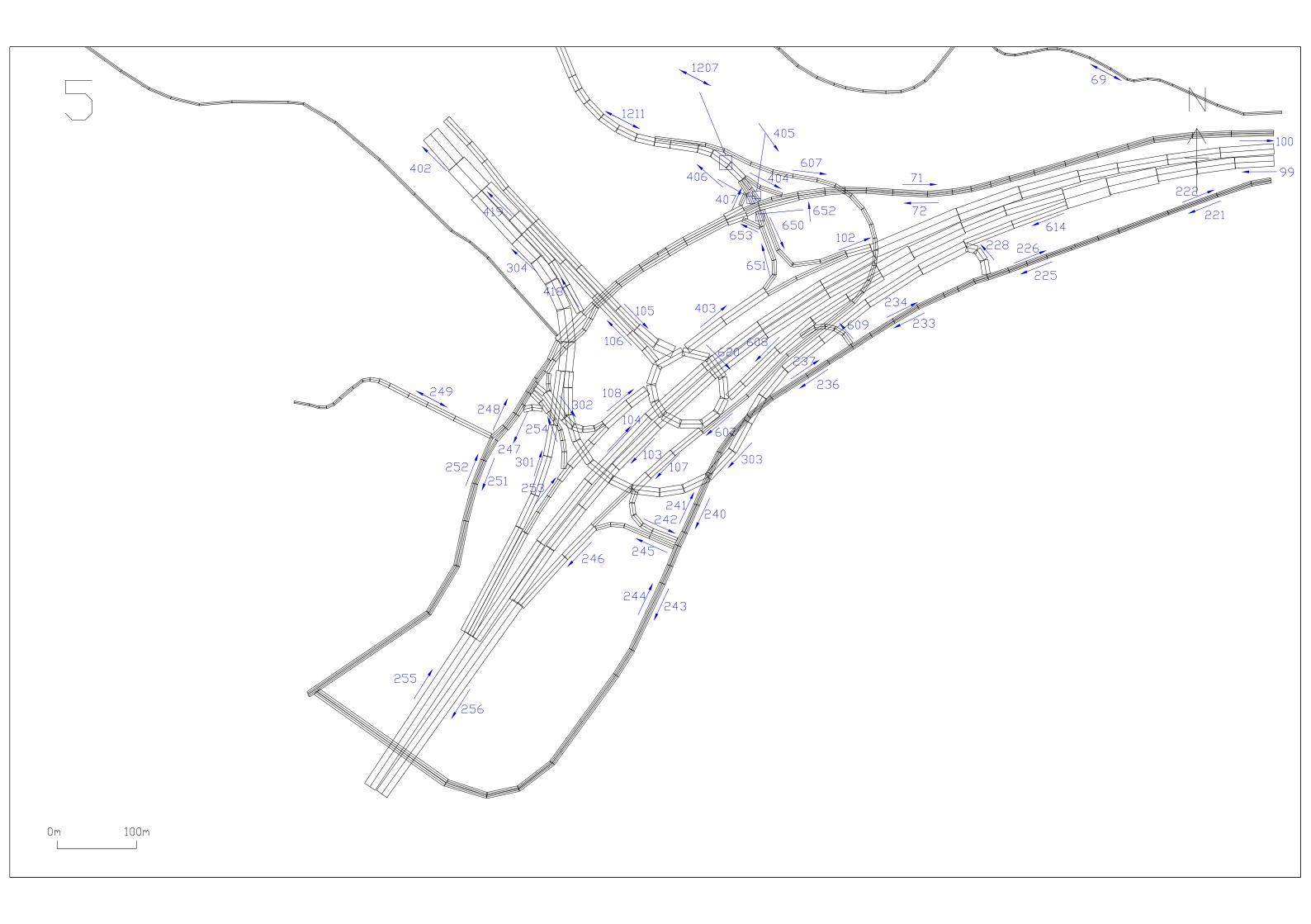


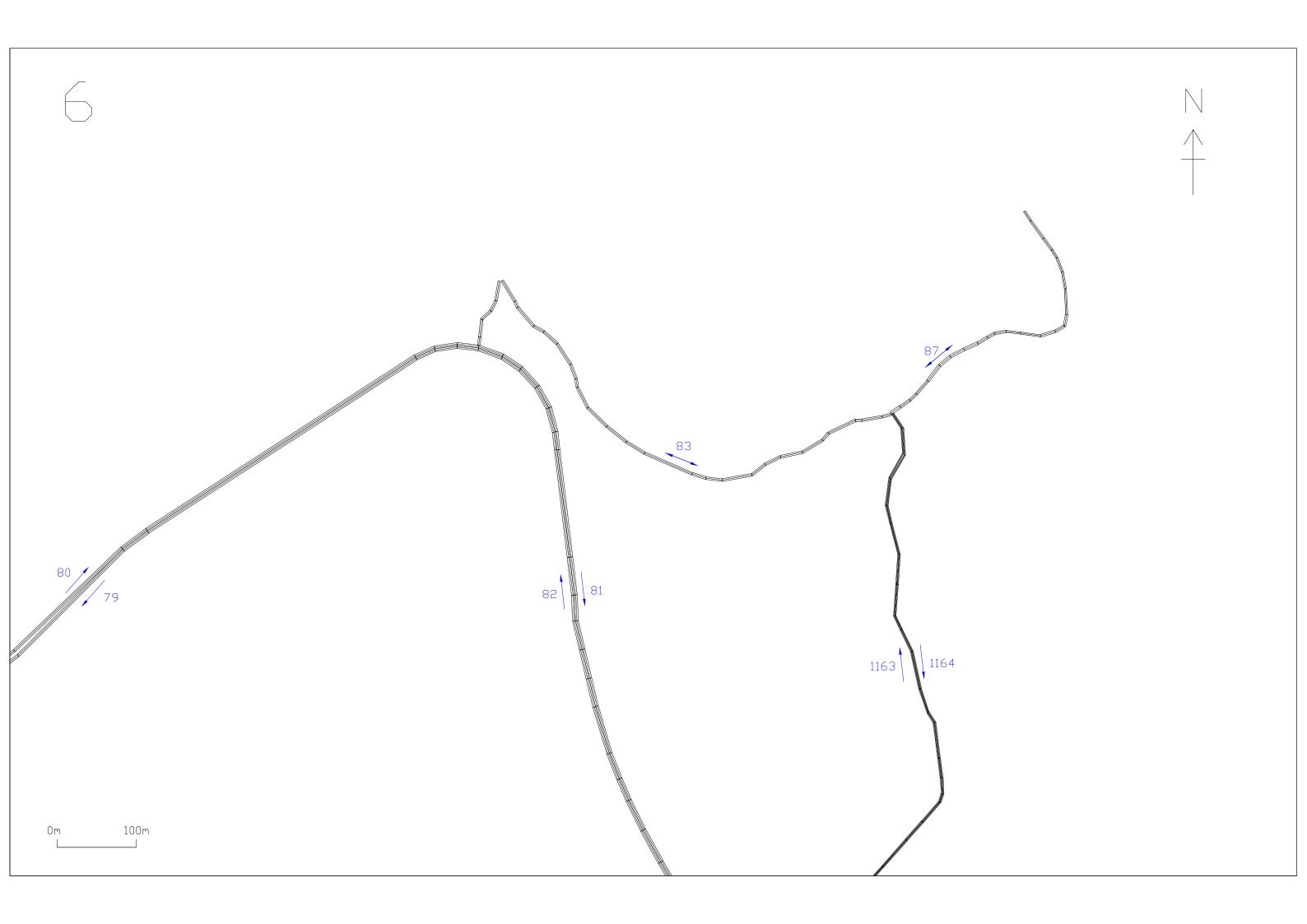


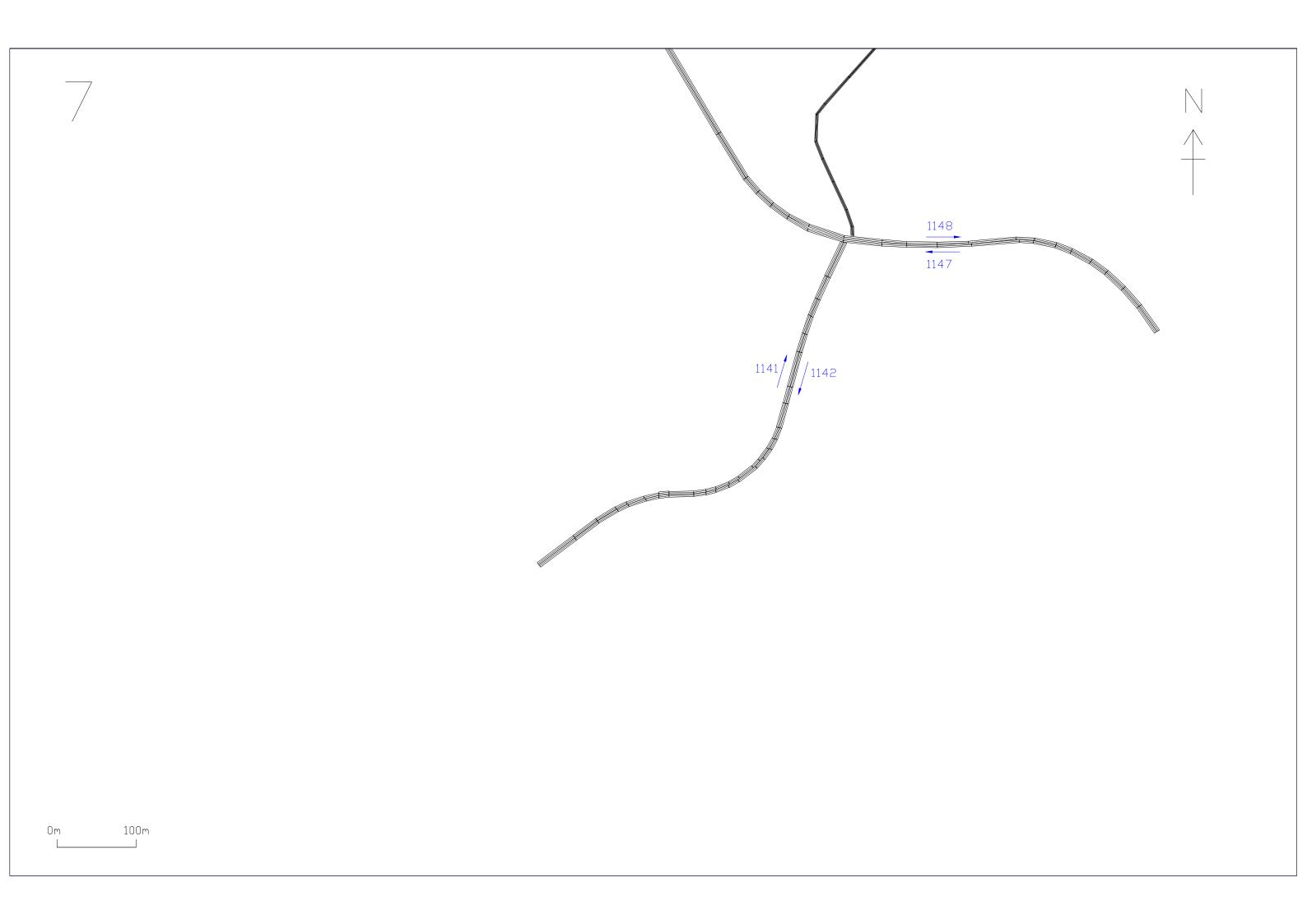












Predicted Traffic Noise Levels at NSRs under Revised Mitigated Scenario at year 2042

(Extracted from Appendix 4.3 of the Environmental Review Report submitted under VEP-595/2021 dated 16 July 2021)

Appendix 2.5 Predicted Traffic Noise Levels at NSRs under Revised Mitigated Scenario at Year 2042

Receiver ID	Floor Level	Use	Criteria, L10(1hr),	Staus	Noise Level, L10	0(1hr), dB(A)	Overall Noise Level, L10(1hr),	Project Contribution	Project Contribution <1.0	Overall Complience to	
			dB(A)			Project Road	dB(A)		dB(A)	Criteria	
IWFST-2	1	Residential	70	Existing	55	70	70	15.3	No	Yes	
WT-3-a	1	Residential	70	Existing	66	60	67	1.0	No	Yes	
IWT-3-b IWT-4	1	Residential	70 70	Existing	67 68	53 53	67 68	0.2	Yes	Yes	
IWT-5	1	Residential Residential	70	Existing Existing	53	68	68	14.5	Yes No	Yes Yes	
HWT-6	1	Residential	70	Existing	60	66	67	7.0	No	Yes	
₩T-7-a	1	Residential	70	Existing	52	66	66	14.6	No	Yes	
ivv i - 7 - u	2	Residential	70	Existing	52	67	67	15.1	No	Yes	
HWT-7-b	1	Residential	70	Existing	63	66	68	5.0	No	Yes	
1001-7-10	2	Residential	70	Existing	63	67	69	5.8	No	Yes	
HWT-8-a	1	Residential	70	Existing	<50	69	69	26.8	No	Yes	
W O U	2	Residential	70	Existing	<50	70	70	23.8	No	Yes	
HWT-8-b	1	Residential	70	Existing	63	62	65	2.5	No	Yes	
	2	Residential	70	Existing	63	64	67	3.6	No	Yes	
HWTR-1-a	1	Residential	70	Existing	<50	58	58	22.0	No	Yes	
HWTR-1-b	1	Residential	70	Existing	58	69	70	11.2	No	Yes	
HWTR-2-a	1	Residential	70	Existing	<50	62	62	19.8	No	Yes	
HWTR-2-b	1	Residential	70	Existing	60	67	67	7.8	No	Yes	
HWTR-3	1	Residential	70	Existing	<50	57	57	22.2	No	Yes	
HWTR-4-a	1	Residential	70	Existing	<50	55	55	8.6	No	Yes	
HWTR-4-b	1	Residential	70	Existing	59	64	65	5.9	No	Yes	
WTR-5-a	1	Residential	70	Existing	<50	<50	51	3.9	No	Yes	
HWTR-5-b	1	Residential	70	Existing	58	63	64	6.3	No	Yes	
HWTR-6-a	1	Residential	70	Existing	57	66	66	9.5	No	Yes	
HWTR-6-b	1	Residential	70	Existing	<50	62	62	23.3	No	Yes	
WTR-7	1	Residential	70	Existing	61	69	69	8.9	No	Yes	
WTR-8-a	1	Residential	70	Existing	<50	65	65	23.9	No	Yes	
HWTR-8-b	1	Residential	70	Existing	60	69	70	9.3	No	Yes	
WTR-9	1	Residential	70	Existing	<50	70	70	32.7	No	Yes	
100111-3	2	Residential	70	Existing	<50	70	70	28.7	No	Yes	
HWTR-10	1	Residential	70	Existing	<50	70	70	26.9	No	Yes	
WTR-10	1	Residential	70	Existing	<50	66	66	26.8	No	Yes	
WTR-12	1	Residential	70		<50	69	69	24.2	No	Yes	
WTR-12	1	Residential	70	Existing Existing	<50	67	67	21.5	No	Yes	
WTR-14	1	Residential	70		<50	68	68	24.4	No		
WTR-14	1	Residential	70	Existing Existing	<50	68	68	26.2	No	Yes Yes	
WTR-16	1	Residential	70	Existing	<50	67	67	27.6	No	Yes	
HWTR-17-a	1	Residential	70	Existing	<50	68	68	20.1	No	Yes	
HWTR-17-b	1	Residential	70	Existing	59	69	70	10.5	No	Yes	
HWTR-18	1	Residential	70	Existing	60	67	67	7.8	No	Yes	
HWTR-20	1	Residential	70	Existing	60	66	67	7.7	No	Yes	
HWTR-22	1	Residential	70	Existing	57	69	70	12.8	No	Yes	
HWTR-23	1	Residential	70	Existing	<50	70	70	30.3	No	Yes	
100 I K-23	2	Residential	70	Existing	<50	70	70	27.0	No	Yes	
MCR-1-a	1	+	70	_	59	67	68	9.0	No		
.IVICK-1-a	2	Residential Residential	70	Existing	59	68	68	9.6	No	Yes Yes	
				Existing							
MCD 1 b	3	Residential	70	Existing	59 <50	68	69 66	10.0	No	Yes	
₋MCR-1-b		Residential	70 70	Existing	<50 50	66 68		18.0	No	Yes	
	2	Residential		Existing	50		69	18.2	No	Yes	
MCD 2	3	Residential	70 70	Existing	51	70 67	70 67	19.6 14.7	No	Yes	
.MCR-2	'	Residential		Existing	53	.			No	Yes	
MCD 2	2	Residential	70	Existing	54	70	70	16.0	No	Yes	
.MCR-3		Residential	70	Existing	<50	62	62	28.8	No	Yes	
	2	Residential	70	Existing	<50	63	63	25.0	No No	Yes	
MCD 4 -	3	Residential	70	Existing	<50	68	68	18.0	No	Yes	
.MCR-4-a	'	Residential	70	Existing	<50	68	68	30.5	No	Yes	
	2	Residential	70	Existing	<50	68	68	28.3	No	Yes	
MCD 4 1	3	Residential	70	Existing	<50	69	69	25.7	No	Yes	
MCR-4-b	1	Residential	70	Existing	<50	66	66	24.9	No	Yes	
	2	Residential	70	Existing	<50	67	67	19.9	No	Yes	
MOD 4	3	Residential	70	Existing	<50	68	68	19.8	No	Yes	
MCR-4-c	1	Residential	70	Existing	<50	69	69	28.3	No	Yes	
	2	Residential	70	Existing	<50	70	70	27.1	No	Yes	
MOD 5	3	Residential	70	Existing	<50	70	70	25.3	No	Yes	
MCR-5-a	1	Residential	70	Existing	<50	68	68	20.8	No	Yes	
MOD 5:	2	Residential	70	Existing	<50	68	68	20.4	No	Yes	
MCR-5-b	1	Residential	70	Existing	56	66	66	10.8	No	Yes	
	2	Residential	70	Existing	56	66	67	10.9	No	Yes	
MCR-6	1	Residential	70	Existing	<50	69	69	19.8	No	Yes	
	2	Residential	70	Existing	<50	69	69	19.5	No	Yes	
.MCR-7	1	Residential	70	Existing	55	67	67	12.2	No	Yes	
	2	Residential	70	Existing	55	67	67	12.1	No	Yes	

Appendix 2.5 Predicted Traffic Noise Levels at NSRs under Revised Mitigated Scenario at Year 2042

Receiver ID	Floor Level	Use	Criteria, L10(1hr),	Staus	Noise Level, L1	0(1hr), dB(A)	Overall Noise Level, L10(1hr),	Project Contribution	Project Contribution <1.0	Overall Complience to Criteria	
			dB(A)		Existing Road	Project Road	dB(A)	Contribution	dB(A)		
LMCR-8	1	Residential	70	Existing	<50	69	69	23.1	No	Yes	
	2	Residential	70	Existing	52	70	70	18.0	No	Yes	
LMCR-9	1	Residential	70	Existing	<50	68	68	22.8	No	Yes	
	2	Residential	70	Existing	<50	69	69	20.2	No	Yes	
LMCR-10	1	Residential	70	Existing	<50	70	70	23.6	No	Yes	
	2	Residential	70	Existing	<50	70	70	23.1	No	Yes	
LMCR-11	1	Residential	70	Existing	<50	66	66	20.1	No	Yes	
LMCR-14	1	Residential	70	Existing	51	70	70	18.4	No	Yes	
	2	Residential	70	Existing	51	70	70	18.4	No	Yes	
	3	Residential	70	Existing	51	70	70	18.5	No	Yes	
LMCR-15	1	Residential	70	Existing	60	70	70	9.8	No	Yes	
	2	Residential	70	Existing	60	70	70	9.8	No	Yes	
	3	Residential	70	Existing	60	70	70	9.8	No	Yes	
LMCR-17-a	1	Residential	70	Existing	55	66	66	11.6	No	Yes	
	2	Residential	70	Existing	55	66	67	11.6	No	Yes	
LMCR-17-b	1	Residential	70	Existing	53	70	70	17.2	No	Yes	
	2	Residential	70	Existing	53	70	70	17.2	No	Yes	
LMCST-1-a	1	Residential	70	Existing	61	63	65	3.9	No	Yes	
LMCST-1-b	1	Residential	70	Existing	64	62	66	2.2	No	Yes	
LMCST-2	1	Residential	70	Existing	62	67	68	6.2	No	Yes	
SSR-1	1	Residential	70	Existing	70	55	70	0.2	Yes	Yes	
	2	Residential	70	Existing	70	56	70	0.2	Yes	Yes	
SSR-2	1	Residential	70	Existing	69	58	69	0.3	Yes	Yes	
	2	Residential	70	Existing	70	59	70	0.4	Yes	Yes	