



路政署  
Highways Department

Agreement No. CE 78/2022 (HY)

# Tsing Yi – Lantau Link – Investigation, Design and Construction

## Environmental Impact Assessment Report

### Figures

September 2025

A handwritten signature in black ink, appearing to be 'Lam, Cheung Fai'.

Prepared and Checked by: \_\_\_\_\_ 15 September 2025

Lam, Cheung Fai  
HKIQEP EIA Expert (Membership No. PM0131)

**AECOM ASIA COMPANY LIMITED**

**Disclaimer:**

*This report is prepared for Highways Department (HyD) and is given for its sole benefit in relation to and pursuant to Agreement No. CE 78/2022 (HY) Tsing Yi – Lantau Link – Investigation, Design and Construction and may not be disclosed to, quoted to or relied upon by any person other than HyD without our prior written consent. No person (other than HyD) into whose possession a copy of this report comes may rely on this report without our express written consent and HyD may not rely on it for any purpose other than as described above.*

**Agreement No. CE 78/2022 (HY)**

**Tsing Yi – Lantau Link – Investigation, Design and Construction**

**List of Figure**

<a href="#">Figure 1.1</a>	Designated Project Elements
<a href="#">Figures 2.1.1 - 2.1.4</a>	General Layout Plan
<a href="#">Figures 2.1.5</a>	Alternative Landing Point Options
<a href="#">Figure 2.2</a>	Proposed Barging Points for the Project
<a href="#">Figure 2.3</a>	Tsing Yi Option 1
<a href="#">Figure 2.4</a>	Tsing Yi Option 2
<a href="#">Figure 2.5</a>	Tsing Yi Option 3 (Recommended)
<a href="#">Figure 2.6</a>	General Arrangement of the Main Bridge – Main Bridges cum North Lantau Option 1
<a href="#">Figure 2.7</a>	General Arrangement of the Main Bridge – Main Bridges cum North Lantau Option 2 (Recommended)
<a href="#">Figures 2.8.1 - 2.8.13</a>	Construction Method
<a href="#">Figure 2.9</a>	Alignment Options for the Tsing Yi Section
<a href="#">Figure 2.10</a>	Tentative Location for Temporary Concrete Batching Plant
<a href="#">Figure 3.1</a>	Locations of the Project, Assessment Area and PATH Grids
<a href="#">Figure 3.2</a>	Locations of Representative Air Sensitive Receivers
<a href="#">Figure 3.3</a>	Locations of Blasting Areas
<a href="#">Figure 3.4a</a>	Contour Plot of Cumulative 10th Highest 24-Hour RSP Concentration ( $\mu\text{g}/\text{m}^3$ ) at 1.5 mAG (Year 2033)
<a href="#">Figure 3.4b</a>	Contour Plot of Cumulative 10th Highest 24-Hour RSP Concentration ( $\mu\text{g}/\text{m}^3$ ) at 5 mAG (Year 2033)
<a href="#">Figure 3.5</a>	Contour Plot of Cumulative Annual Average RSP Concentration ( $\mu\text{g}/\text{m}^3$ ) at 1.5 mAG (Year 2033)
<a href="#">Figure 3.6a</a>	Contour Plot of Cumulative 19th Highest 24-Hour FSP Concentration ( $\mu\text{g}/\text{m}^3$ ) at 1.5 mAG (Year 2033)
<a href="#">Figure 3.6b</a>	Contour Plot of Cumulative 19th Highest 24-Hour FSP Concentration ( $\mu\text{g}/\text{m}^3$ ) at 5 mAG (Year 2033)
<a href="#">Figure 3.7</a>	Contour Plot of Cumulative Annual Average FSP Concentration ( $\mu\text{g}/\text{m}^3$ ) at 1.5 mAG (Year 2033)
<a href="#">Figure 3.8</a>	Contour Plot of Cumulative 19th Highest Hourly $\text{NO}_2$ Concentration ( $\mu\text{g}/\text{m}^3$ ) at 1.5 mAG (Year 2041)
<a href="#">Figure 3.9</a>	Contour Plot of Cumulative 10th Highest 24-Hour $\text{NO}_2$ Concentration ( $\mu\text{g}/\text{m}^3$ ) at 1.5 mAG (Year 2041)
<a href="#">Figure 3.10</a>	Contour Plot of Cumulative Annual Average $\text{NO}_2$ Concentration ( $\mu\text{g}/\text{m}^3$ ) at 1.5mAG (Year 2041)

<a href="#">Figure 4.1</a>	General Layout Plan with 300m Assessment Area from Project Boundary
<a href="#">Figure 4.2</a>	300m Assessment Area and Locations of Identified Potential Noise Sensitive Receivers
<a href="#">Figure 4.3</a>	Locations of Representative Noise Assessment Points
<a href="#">Figure 4.3.1</a>	Locations of Representative Noise Assessment Points (Sheet 1 of 2)
<a href="#">Figure 4.3.2</a>	Locations of Representative Noise Assessment Points (Sheet 2 of 2)
<a href="#">Figure 4.4</a>	Extent of “Project Roads” under the Project
<a href="#">Figure 4.5</a>	Locations of Low Noise Road Surfacing adopted under “Project Roads” of Proposed TYLL
<a href="#">Figure 5.1</a>	Locations of Identified Water Sensitive Receivers
<a href="#">Figure 6.1</a>	Proposed and As-built Sediment Sampling Locations (Sheet 1 of 2)
<a href="#">Figure 6.2</a>	Proposed and As-built Sediment Sampling Locations (Sheet 2 of 2)
<a href="#">Figure 6.3</a>	Potential Hot Spots for Floating Refuse Accumulation
<a href="#">Figure 7.1</a>	Locations of Potentially Contaminated Sites / Concerned Sites
<a href="#">Figure 7.2</a>	Proposed Sampling Locations (Site STW1)
<a href="#">Figure 8.1</a>	Assessment Area, Survey Transect and Sampling Locations for Terrestrial Ecological Survey
<a href="#">Figure 8.2</a>	Assessment Area for Marine Ecological Impact Assessment and relevant Recognised Sites of Conservation Importance
<a href="#">Figure 8.2.1</a>	Sampling Locations for Marine Ecological Survey
<a href="#">Figure 8.3</a>	Species of Conservation Importance Recorded in Previous Studies
<a href="#">Figure 8.4</a>	Distribution and Density of Chinese White Dolphins in North Lantau Waters between 2014 and 2022 (Hong Kong Marine Mammal Report 2022-23)
<a href="#">Figure 8.5</a>	Temporal Trend in Abundance and Encounter Rate of Chinese White Dolphins in North Lantau Waters between 2001 and 2022 (Hong Kong Marine Mammal Report 2022-23)
<a href="#">Figure 8.6</a>	Distribution of Finless Porpoises across Hong Kong Waters between 2019 and 2022 (Hong Kong Marine Mammal Report 2022-23)
<a href="#">Figure 8.7</a>	Habitat Map (Key Plan)
<a href="#">Figure 8.7.1</a>	Habitat Map and Location of Species of Conservation Importance Recorded in the Survey (Sheet 1 of 2)
<a href="#">Figure 8.7.2</a>	Habitat Map and Location of Species of Conservation Importance Recorded in the Survey (Sheet 2 of 2)
<a href="#">Figure 8.8.1</a>	Habitat Map Overlaid with Extent for Permanent and Temporary Works (Sheet 1 of 2)
<a href="#">Figure 8.8.2</a>	Habitat Map Overlaid with Extent for Permanent and Temporary Works (Sheet 2 of 2)
<a href="#">Figure 8.9</a>	Proposed Mitigation Measures for Watercourse W2 and W3

<a href="#">Figure 9.1</a>	Assessment Area, Sites of Fisheries Importance and Sensitive Fisheries Receivers
<a href="#">Figure 9.2</a>	Sampling Locations for Fisheries Survey
<a href="#">Figure 9.3.1</a>	Distribution of Fishing Operation – Overall (AFCD Port Survey 2021)
<a href="#">Figure 9.3.2</a>	Distribution of Fishing Operation – Sampan (AFCD Port Survey 2021)
<a href="#">Figure 9.3.3</a>	Distribution of Fishing Operation – Other Types of Fishing Vessels (AFCD Port Survey 2021)
<a href="#">Figure 9.4.1</a>	Distribution of Fisheries Production – Overall (AFCD Port Survey 2021)
<a href="#">Figure 9.4.2</a>	Distribution of Fisheries Production – Sampan (AFCD Port Survey 2021)
<a href="#">Figure 9.4.3</a>	Distribution of Fisheries Production – Other Types of Fishing Vessels (AFCD Port Survey 2021)
<a href="#">Figure 9.5</a>	Locations of Fishing Activities Recorded between February 2023 and January 2024
<a href="#">Figure 10.1</a>	Landscape and Visual Impact Study Boundary
<a href="#">Figure 10.2.0 – 10.2.6</a>	Location of Landscape Resources
<a href="#">Figure 10.2.7 – 10.2.8</a>	Photographs of Landscape Resources
<a href="#">Figure 10.3.0 – 10.3.6</a>	Location of Landscape Character Area
<a href="#">Figure 10.3.7</a>	Photographs of Landscape Character Areas
<a href="#">Figure 10.4</a>	Visual Envelope and Proposed Viewpoints (VPs)
<a href="#">Figure 10.4.1 – 10.4.9</a>	Photomontages
<a href="#">Figure 10.5</a>	Landscape Mitigation Plan (Key Plan)
<a href="#">Figure 10.5.1 – 10.5.9</a>	Landscape Mitigation Plan (Sheet 1 to Sheet 6)
<a href="#">Figure 11.1</a>	Geological Map of the Project and Assessment Area
<a href="#">Figure 11.2</a>	Locations of Built Heritage and Other Identified Items (Key Plan)
<a href="#">Figure 11.3</a>	Built Heritage and Other Identified Items on Tang Lung Chau
<a href="#">Figure 11.4</a>	Built Heritage and Other Identified Items at North Lantau
<a href="#">Figure 11.5</a>	Areas with Archaeological Potential Identified in the Feasibility Stage