

**For information on
30 November 2017**

**LanDAC TTDII SC
Paper No. 04/2017**

**LANTAU DEVELOPMENT ADVISORY COMMITTEE
TRAFFIC, TRANSPORT AND DISTRICT IMPROVEMENT ITEMS
SUBCOMMITTEE**

**Study on Traffic, Transport and
Capacity to Receive Visitors for Lantau**

PURPOSE

This paper aims to report to Members on the progress of the “Study on Traffic, Transport and Capacity to Receive Visitors for Lantau” (the Study).

BACKGROUND

2. During the public engagement exercise conducted from January to April 2016 on Lantau development proposals, we received numerous views from the public and Lantau residents concerning the traffic and transport impacts brought about by Lantau development as well as the capacity to receive visitors in Lantau. Some of the public also requested improvement in the internal connections in Lantau, such as between Tung Chung and Tai O; and between Mui Wo and Northern Lantau; enhancement and improvement in the traffic and transport facilities including water transport services; and exploration of cycle track/mountain bike trail networks in Lantau.

3. In response to the public concern, the Civil Engineering and Development Department proposed to undertake the Study and briefed the Traffic, Transport and District Improvement Items Subcommittee on the Study on 28 July 2016 (TTDII SC Paper No. 3/2016) and Members’ comments were received. The 18-month consultancy study commenced on 26 July 2017, with target completion in early 2019.

(Translated Version)

STUDY AREA AND HIGHLIGHTS

4. The Study will follow the overarching principle of “Development in the North; Conservation for the South” embraced by the Sustainable Lantau Blueprint promulgated in June 2017. The study area is shown in **Annex 1** and the scope includes the following main tasks:

- Carry out a desktop study for Lantau’s strategic traffic and transport infrastructure concept (refer to **Annex 2**) to meet the long-term development needs of Lantau;
- Assess the needs and conduct preliminary feasibility study for providing internal road connections in Lantau (i) between Tung Chung and Tai O; and (ii) between North Lantau and Mui Wo;
- Study the feasibility of improving the internal traffic and transport connections in Lantau, including water transport, with due consideration of the potential recreation and tourism developments in Lantau;
- Assess the needs and carry out preliminary feasibility study on providing pier facilities/ landing steps, such as around Cheung Sha and Yi O, for water transport with a view to complementing land-based transport for the recreation and tourism developments;
- Recommend assessment indicators and assess the receiving capacity of visitors for Lantau, such as Tai O, and recommend measures and supporting infrastructures necessary for promoting sustainable development of the potential recreation and tourism development proposals in Lantau;
- Carry out preliminary feasibility study on expanding the cycle tracks/mountain bike trail networks, with associated supporting facilities, to form a comprehensive cycle track/mountain bike trail networks for Lantau (the study area as shown in **Annex 3**); and
- Explore and recommend other practicable traffic and transport improvement initiatives including measures to promote green transport; and explore the needs to provide car parking spaces and improvement measures to roads (such as Keung Shan Road and South Lantau Road),

(Translated Version)

etc.

5. Having regard to the short, medium and long-term development projects and conservation proposals for Lantau, the Study will examine in a holistic manner the traffic and transport infrastructures, propose improvement measures and formulate the overall development strategy of the traffic and transport infrastructure network and services for Lantau. In addition, the Study will recommend the phased implementation of projects as appropriate in the light of actual circumstances and priority of works in order to align with the housing and economic developments in North Lantau and East Lantau Metropolis (ELM), improve the internal connectivity and facilitate the public access to South Lantau for sustainable recreational and leisure activities.

Strategic Traffic and Transport Infrastructures for Lantau

6. Lantau's strategic traffic and transport infrastructures will play a pivotal role in the overall traffic and transport planning in Hong Kong, in particular the connection linking the Northwest New Territories (NWNT) – Lantau – Metro Area. The connection will not only meet the need of a balanced development pattern in Hong Kong, but also relieve the pressure on the existing traffic and transport infrastructures between the New Territories and urban areas.

7. The Study will examine the capacity of the existing North Lantau Highway and its connections with associated road networks in the light of the housing and economic developments in North Lantau (including Tung Chung New Town Extension, Siu Ho Wan Development and Sunny Bay Development). Apart from the section of Road P1 along the North Lantau Highway (from Tung Chung to Tai Ho) to be constructed under the Tung Chung New Town Extension project, we will also consider extending Road P1 to the planned Route 11 and work out the implementation programme under the Study in order to meet the traffic demand arising from the overall development in North Lantau.

8. Besides, the Transport and Housing Bureau and relevant government departments will undertake the “Strategic Studies on Railways and Major Roads beyond 2030” in 2018 with due consideration of the recommendations proposed in the planning study “Hong Kong 2030+: Towards a Planning Vision

(Translated Version)

and Strategy Transcending 2030”, in particular the two Strategic Growth Areas (i.e. ELM and New Territories North), to establish an overall framework of transport infrastructures as a foundation for further studies in future.

Lantau’s Internal Traffic and Transport

9. To address the public aspiration for improving the internal connection in Lantau expressed during the public engagement exercise on Lantau development, the Study will assess the feasibility of providing road connection between (i) Tung Chung and Tai O; and (ii) Mui Wo and North Lantau, with due consideration of financial viability, environmental impacts and stakeholders’ opinions, etc. The Consultants will also try to explore the preliminary feasibility of providing an Environmental Friendly Linkage System, instead of road system, between Tung Chung and Tai O.

10. As far as individual development projects (e.g. Tung Chung New Town Extension, etc.) are concerned, detailed traffic impact assessments will be conducted in the design stage to formulate appropriate traffic improvement and control measures with a view to minimizing the adverse impacts. For example, rail transport will serve as the backbone of the transport system under the Tung Chung New Town Extension Project and additional railway stations will be built at Tung Chung East and Tung Chung West. To fully utilize the advantage of convenience in terms of transport, density of development in the vicinity of the railway facilities will be higher. A few public transport interchanges will also be provided in the new extension area in order to help the public to change to other transport modes of transport other than railway.

11. In connection with improving the internal traffic and transport, the Study will examine the existing road conditions in Lantau, including Keung Shan Road and South Lantau Road, and propose practicable improvement measures such as road widening or bend improvement. The Study will also assess the demand for parking spaces in Lantau and put forward improvement proposals.

12. In addition, the Study will explore the opportunities for improving the public water transport services with a view to complementing the land-based transport.

(Translated Version)

Assessment of the Capacity to Receive Visitors for Lantau

13. With regard to the public concern over Lantau's capacity to receive visitors, in particular Tai O, the Consultants will make reference to overseas cases and devise the framework and indicators for assessing the capacity to receive visitors. The assessment indicators will include environmental impacts, infrastructure, economic considerations, stakeholders' opinions, etc. The Study will follow the principle of conserving the South Lantau as well as utilizing the sites of lower ecological value for sustainable leisure and recreational activities.

Green Transport and Other Aspects

14. The Study will explore and recommend feasible measures to promote green transport in Lantau. In the development and formulation of improvement measures or new road proposals, the Consultants will consider the green traffic and transport strategy applicable to Lantau so as to protect the natural environment and minimize the adverse environmental impacts arising from the proposed road alignments. Moreover, the Study will recommend the provision of additional supporting facilities, e.g. E-car charging points, etc.

15. The Study will also cover the preliminary feasibility study on expanding the cycle track/mountain bike trail networks in Lantau.

PROGRESS

16. Since the commencement of the Study, the Consultants has been collating and consolidating the baseline information and liaising with the relevant government departments on the study details. The Consultants is currently engaged in various tasks, such as developing a traffic and transport computer model for analytical purposes, studying the feasibility of road connections between Tung Chung and Tai O, as well as between North Lantau and Mui Wo, examining the existing parking facilities and water transport services and facilities, investigating the feasibility of expanding the cycle track/mountain bike trail networks, as well as assessing the capacity to receive visitors for Lantau, etc.

WAY FORWARD

17. In course of the Study, we will consult the stakeholders on the Study in a timely manner. The consultation will mainly cover the measures to improve internal traffic in Lantau, feasibility of road alignment and cycle track/mountain bike trail networks, as well as the assessment methodology and indicators for the capacity to receive visitors.

18. We hope that, on the basis of balancing development and conservation, the feasibility studies can be conducted in phases to explore the overall development strategy for the internal traffic and transport infrastructure network and services for Lantau, and the suitable projects can also be taken forward in phases as appropriate in the light of the actual circumstances and priority of works.

CONCLUSION

19. Members are invited to note and express their views on the progress of the Study.

Civil Engineering and Development Department
November 2017

檢視大嶼山的交通運輸基建網絡及旅客接待能力研究 - 可行性研究 - 總體研究範圍
STUDY ON TRAFFIC, TRANSPORT AND CAPACITY TO RECEIVE VISITORS FOR LANTAU -
FEASIBILITY STUDY - STUDY AREA

附件一
APPENDIX 1



策略性交通運輸基建概念 STRATEGIC TRAFFIC AND TRANSPORT INFRASTRUCTURE CONCEPT

附件二 APPENDIX 2



