

行政摘要 Executive Summary

運輸及交通影響評估

研究已就具發展潛力區四周主要道路網絡的現有運作表現進行了容量分析。雖然大部分主要路段及路口的運作維持在容量之內，但有部分已接近容量。為減低對元朗市中心一帶道路的交通影響，研究建議興建一條從公庵路沿元朗公路向東的新支路。新支路將直接連接具潛力發展區至位於元政路的擬議公共運輸交匯處以連接西鐵站，及連接十八鄉交匯處和元朗公路。

具發展潛力區的內部道路網將與土地用途互相配合，並建議一系列道路改善計劃以改善具發展潛力區之間的連接，以及與元朗公路和鄰近地區的連接。為確定建議的內部道路網的運作表現及對現有主要道路及路口的影響，研究已就主要路段及路口的運作表現進行了容量分析。分析結果顯示在實施道路改善建議的情況下，所有主要路段及路口均會在可接受的水平下運作。

公共交通策略旨在鼓勵使用公共交通工具及優化行人路和單車徑網絡。為減低私家車的使用量以達至可持續發展的交通規劃，本研究探討採用環保運輸服務模式，例如現代化列車及電動巴士，以連接西鐵及洪水橋新發展區。環保運輸服務模式的可行性將在另一研究探討。

Traffic and Transport Impact Assessment

Capacity analyses were undertaken to assess the existing performance of the road network in the vicinity of the PDA. Although a majority of the assessed road links and junctions were operating within capacity, some were operating close to their capacities. With the aim to minimise the impact on the traffic in Yuen Long Town Centre, a new slip road running parallel with Yuen Long Highway from Kung Um Road eastward would be proposed. The new slip road is proposed to provide a direct linkage between the PDAs and the proposed transport hub at Yuen Ching Road for connection with West Rail as well as connection to Shap Pat Heung Interchange and YLH.

An internal road system that will be dynamically integrated with land use is proposed within the PDA. To improve the connectivity between the PDA, Yuen Long Highway as well as the adjacent districts, various road improvement schemes were recommended. Road links and junction capacities were assessed to determine the performance of the proposed internal road network and the traffic impact on the existing major road links and junctions. All assessed road links and junctions would operate within tolerable level with the implementation of the proposed road improvement schemes.

The public transport strategy involves promoting the use of public transport and enhancing pedestrian and cycling networks. To minimise private car usage towards a more sustainable transport plan was formulated to explore the adoption of environmentally friendly transport services to strengthen the connections to West Rail and HSK NDA. It is noted the feasibility of the service will be further examined in another upcoming study.