

For information

Legislative Council Panel on Transport

Supplementary Information on
Tseung Kwan O – Lam Tin Tunnel
(formerly known as Western Coast Road)

Introduction

When discussing the paper on “Tseung Kwan O – Lam Tin Tunnel” (TKO-LT Tunnel) (LC Paper No. CB(1)1830/04-05(03)) at the meeting on 24 June 2005, Members of the Panel on Transport requested supplementary information on -

- (a) the population and traffic projections for Tseung Kwan O (TKO); and
- (b) the implementation schedule for the new TKO external road network.

The information requested is set out below.

Population and Traffic Projections for TKO

2. The population and employment projections for TKO are tabulated as follows -

Year	2011	2016
Population	420 000	450 000 ¹
Employment	91 000	94 000

¹ 450,000 is the latest planned total population of TKO according to the *Feasibility Study for Further Development of Tseung Kwan O*.

3. The projected volume/capacity (v/c) ratios² for the TKO external road network are tabulated as follows -

External Roads	Bound	v/c ratio at 2011		v/c ratio at 2016 (without TKO-LT Tunnel)		v/c ratio at 2016 (with TKO-LT Tunnel)	
		AM	PM	AM	PM	AM	PM
TKO Tunnel	Out	1.17	0.97	1.22	1.03	0.94	0.69
	In	1.00	1.08	1.17	1.22	0.81	0.83
Po Lam Road	Out	0.60	0.47	1.00	0.67	0.73	0.67
	In	0.53	0.53	0.67	0.67	0.60	0.60
Hang Hau Road	Out	0.44	0.44	0.67	0.67	0.56	0.56
	In	1.00	0.67	1.00	0.67	1.00	0.56
Clear Water Bay Road (from Tai Po Tsai to Hang Hau)	Out	0.47	0.73	0.53	0.87	0.47	0.53
	In	0.80	0.47	0.87	0.53	0.73	0.40
TKO-LT Tunnel	Out	-	-	-	-	0.76	0.69
	In	-	-	-	-	0.73	0.78

4. As shown in the above table, the projected v/c ratios for the existing TKO external road network are below 1.2 at 2011, which indicate acceptable traffic condition. The projected v/c ratio for TKO Tunnel in 2016 will exceed 1.2 under the scenario of the absence of the TKO-LT Tunnel, indicating that the external road network will need be enhanced by that time. If the proposed TKO-LT Tunnel is in place by then, the traffic condition of TKO's external road network will improve significantly.

² Volume/capacity (v/c) ratio is an indicator which reflects the performance of a road. A v/c ratio equals to or less than 1.0 means that a road has sufficient capacity to cope with the volume of vehicular traffic under consideration and the resultant traffic will flow smoothly. A v/c ratio above 1.0 indicates the onset of congestion; that above 1.2 indicates more serious congestion with traffic speeds deteriorating progressively with further increase in traffic.

Implementation Schedule for TKO-LT Tunnel

5. To follow the planned completion schedule for TKO-LT Tunnel in 2016, we plan to start the detailed design in 2008 for completion in phases from 2010 to 2011, and start the first phase of the construction works in 2010. However, this implementation schedule will be further reviewed in the light of the changing planning parameters, traffic conditions and the implementation programme of the other components of the strategic Route 6 (i.e. Trunk Road T2 and Central Kowloon Route).

Environment, Transport and Works Bureau
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