

**立法會**  
*Legislative Council*

LC Paper No. CB(1)268/13-14(04)

Ref. : CB1/PL/TP

**Panel on Transport**  
**Meeting on 15 November 2013**

**Background brief on Central-Wan Chai Bypass and  
Island Eastern Corridor Link**

**Purpose**

This paper provides background information on the Central-Wan Chai Bypass ("CWB") and Island Eastern Corridor Link ("the Trunk Road") and summarizes the major views and concerns expressed by Legislative Council ("LegCo") Members on the subject.

**The need for the Trunk Road**

2. The existing east-west Connaught Road Central/Harcourt Road/Gloucester Road Corridor ("the Corridor") on Hong Kong Island is operating beyond its capacity with serious traffic congestion observed during weekdays. Traffic congestion can often be observed along the Corridor in both directions during weekdays between 8 am and 8 pm. Traffic queues along the Corridor also affect the traffic flow of the Cross Harbour Tunnel, the Aberdeen Tunnel and the Causeway Bay area.

3. The Trunk Road project includes construction of a 4.5 km long dual three-lane trunk road with a 3.7 km long tunnel, connecting the Rumsey Street Flyover at Central with the Island Eastern Corridor at North Point near City Garden. A layout plan of the Trunk Road is in **Appendix I**.

4. When the project is completed, vehicles from Chai Wan can use the strategic highway to go all the way to Tuen Mun or the Hong Kong International Airport without having to pass through the busy districts of Causeway Bay, Wan Chai and Central.

5. On 3 July 2009, the Finance Committee approved the upgrading of the Project to Category A at an estimated cost of \$28,104.6 million in money-of-the-day prices for the construction of the Trunk Road. The scope and cost breakdown of the project are in **Appendices II and III** respectively. The construction works commenced in end 2009 and is planned for completion in 2017.

### **Major views and concerns of Members in recent discussions**

6. The matters on the construction of the Trunk Road and related reclamation works have been discussed by the Panel on Development ("DEVP").

7. In May 2009, the Administration consulted DEVP on the funding proposals for the construction of the Trunk Road. Members noted that the Trunk Road could cater for traffic needs arising from increased population and new developments in the area at least up to 2020, by which time its volume to capacity ratio would be 0.7. Noting that the Administration was confident that the proposal could meet the legal requirements under the Protection for the Harbour Ordinance (Cap. 531), members in general were supportive of implementing the Trunk Road project as soon as possible.

8. The main concerns of members about the Trunk Road project were the traffic arrangements during the construction of the Trunk Road and the coordination between the Trunk Road construction works with those of the Shatin to Central Link project to be carried out at the Causeway Bay Typhoon Shelter. Members urged the Administration to ensure the relevant arrangements would minimize disruption to traffic and disturbance to users of the typhoon shelter. Some members opined that the Administration should implement comprehensive traffic management measures after the commissioning of the Trunk Road. Otherwise, the Trunk Road would induce more traffic and additional new roads would be required in future.

9. Members were also concerned over whether the job opportunities created by the implementation of the Trunk Road and related infrastructure projects would benefit local professionals and workers. The Administration advised members that there were strict requirements for admitting non-local workers. While the Administration could not specify in the tender documents for public works projects that local professionals must be employed because such a specification would be in breach of the World Trade Organization Agreement on Government Procurement, when assessing the tenders, additional marks would be awarded to contractors employing professionals with local

experience.

10. At the Public Works Subcommittee meeting on 10 June 2009, members raised no particular comment on the Trunk Road project.

11. In May 2013, Dr Hon Kenneth CHAN Ka-lok and Dr Hon KWOK Ka-ki have raised concern on the construction safety of the CWB project. The Administration's response was circulated to members of the Panel on Transport ("the Panel") via LC Paper No. CB(1)52/13-14 on 11 October 2013.

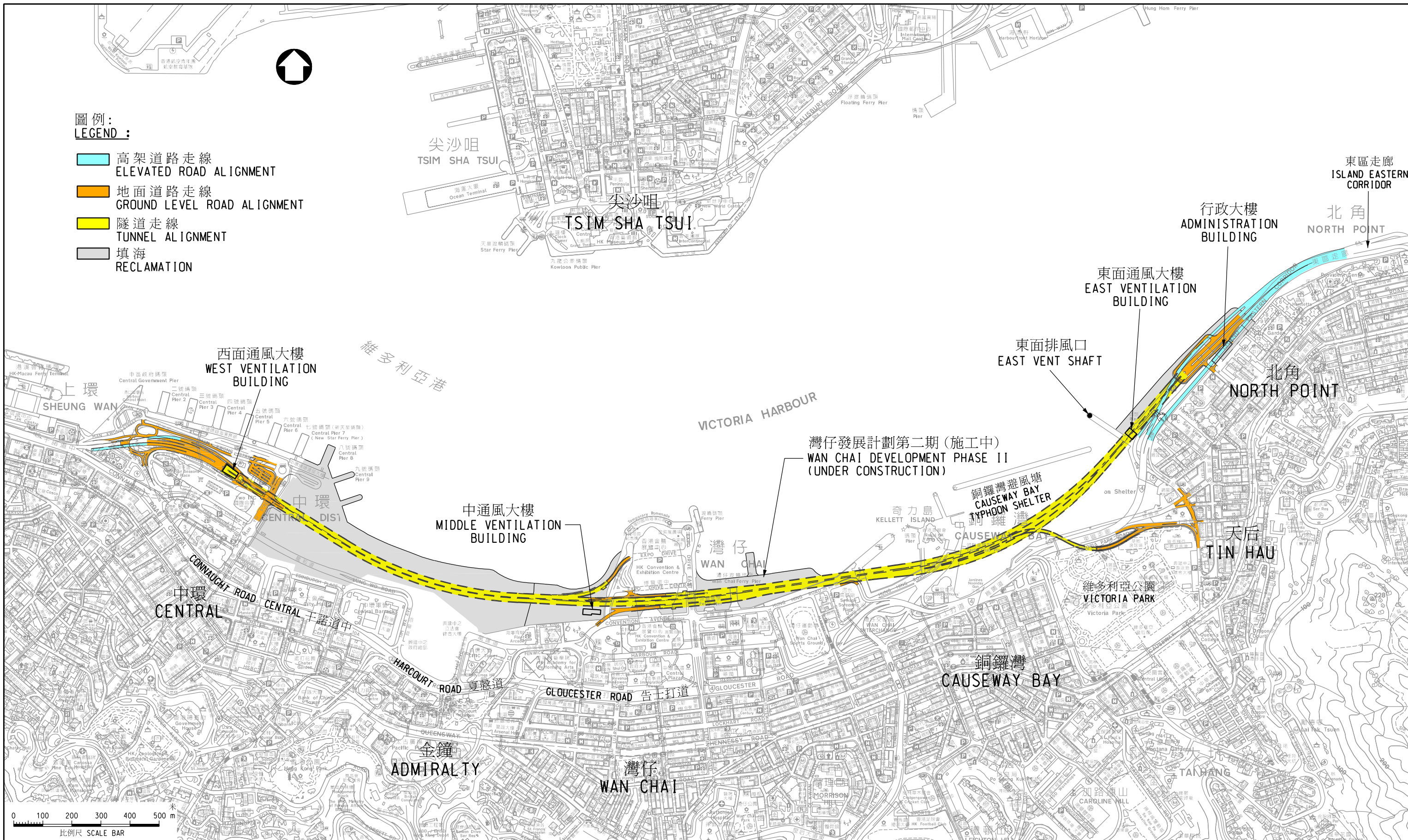
### **Latest position**

12. The Administration plans to seek support for the funding application for increase in the approved project estimates of the project at the Panel meeting to be held on 15 November 2013.

### **Relevant papers**

13. A list of relevant papers is in **Appendix IV**.

Council Business Division 1  
Legislative Council Secretariat  
11 November 2013



圖例：  
LEGEND：

- 高架道路走線  
ELEVATED ROAD ALIGNMENT
- 地面道路走線  
GROUND LEVEL ROAD ALIGNMENT
- 隧道走線  
TUNNEL ALIGNMENT
- 填海  
RECLAMATION

圖則名稱 plan title

中環及灣仔繞道和東區走廊連接路 - 工程概覽  
CENTRAL-WAN CHAI BYPASS AND ISLAND EASTERN CORRIDOR LINK - PROJECT OVERVIEW

比例 scale

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### Central-Wan Chai Bypass and Island Eastern Corridor Link Project scope and nature

The scope of **579TH** comprises –

- (a) construction of a dual three-lane road tunnel of about 3.7 kilometres (km) long between the Rumsey Street Flyover in Central and the Island Eastern Corridor (IEC) in North Point;
- (b) construction of the approach roads to the proposed road tunnel west portal and the associated slip roads in Central, Wan Chai and Causeway Bay of about 3 km in total length;
- (c) modification of Rumsey Street Flyover westbound up ramp, demolition of Rumsey Street Flyover eastbound down ramp and widening of the Rumsey Street Flyover Extension of about 200 metres (m) long;
- (d) modification of a section of IEC of about 800 m long between Hing Fat Street and Po Leung Kuk Yu Lee Mo Fan Memorial School and an up ramp from Hing Fat Street to IEC eastbound;
- (e) installation of the following noise mitigation facilities –
  - (i) vertical noise barriers of about 350 m long and 3.5 m high and cantilevered noise barriers of about 230 m long and 5.5 m high with 1 to 3 m cantilever along sections of the proposed slip road leading to the IEC eastbound; and
  - (ii) noise semi-enclosures of about 730 m long and 10 m high along both bounds of the IEC and a section of the proposed slip road branching out from the IEC westbound;
- (f) installation of a traffic control and surveillance system;
- (g) reprovisioning of the Whitfield Depot, the affected facilities within Victoria Park and the affected mooring facilities in the Causeway Bay Typhoon Shelter;
- (h) associated electrical and mechanical, drainage, landscaping and slope works, and works on junction modifications, modification of the bus terminus at Central Ferry Pier, buildings and ventilation structures; and
- (i) implementation of an environmental monitoring and audit programme for the works mentioned in items (a) to (h) above.

**Central-Wan Chai Bypass and Island Eastern Corridor Link  
("the Trunk Road")**

**Cost breakdown**

According to the paper provided by the Administration for the meeting of the Public Works Subcommittee on 10 June 2009 (PWSC(2009-10)52), the cost of the Trunk Road Project is estimated be \$28,104.6 million in money-of-the-day ("MOD") prices, made up as follows –

		<b>\$ million</b>
(a)	Tunnel construction works	15,262.5
	(i) Marine works	983.6
	(ii) Diaphragm walls and foundations	5,643.2
	(iii) Earthworks	2,230.7
	(iv) Tunnel structures	6,405.0
(b)	Tunnel electrical and mechanical (E&M) works	1,543.3
	(i) Tunnel ventilation works	527.0
	(ii) E&M works	1,016.3
(c)	Roads and drains	109.5
(d)	Elevated structures and foundations	1,174.5
(e)	Retaining walls and slope works	431.9
(f)	Building and ventilation structures	636.9
(g)	Noise mitigation facilities	1,102.6
	(i) Vertical noise barriers	44.6
	(ii) Cantilevered noise barriers	61.5
	(iii) Noise semi-enclosures	996.5
		<b>/\$ million.....</b>

		<b>\$ million</b>	
(h)	Reprovisioning of affected facilities	234.4	
(i)	Landscaping works	74.4	
(j)	Traffic control and surveillance system	212.5	
(k)	Tunnel vehicles	54.1	
(l)	Consultants' fees	222.8	
	(i) contract administration	73.9	
	(ii) management of resident site staff (RSS)	96.7	
	(iii) Environmental monitoring and audit programme	23.2	
	(iv) Electrical and Mechanical Services Trading Fund (EMSTF) <sup>1</sup>	29.0	
(m)	Remuneration of RSS	1,353.1	
(n)	Contingencies (including about \$60 million for the cost of protection works for the Trunk Road at its interface with the Shatin to Central Link)	2,159.7	
		<u>24,572.2</u>	(in September 2008 prices)
(o)	Provision for price adjustment	3,532.4	
		<u>28,104.6</u>	(in MOD prices)

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<sup>1</sup> Upon its establishment from 1 August 1996 under the Trading Funds Ordinance, the EMSTF charges government departments for design and technical consultancy services for E&M installation. The services rendered for this project include checking consultants' submissions on all E&M installations and providing technical advice to the Government on all E&M works and their impacts on the project.

## Appendix IV

### Central-Wan Chai Bypass and Island Eastern Corridor Link

#### List of relevant papers

Date of meeting	Panel/Committee	Minutes/Paper	LC Paper No.
26.5.2009	Panel on Development	Administration's paper on PWP Item 579TH - Central-Wan Chai Bypass and Island Eastern Corridor Link	CB(1)1634/08-09(03)  <a href="http://www.legco.gov.hk/yr08-09/english/panels/dev/papers/dev0526cb1-1634-3-e.pdf">http://www.legco.gov.hk/yr08-09/english/panels/dev/papers/dev0526cb1-1634-3-e.pdf</a>
		Background brief on Central-Wan Chai Bypass and Wan Chai Development Phase II prepared by the Legislative Council Secretariat	CB(1)1634/08-09(06)  <a href="http://www.legco.gov.hk/yr08-09/english/panels/dev/papers/dev0526cb1-1634-6-e.pdf">http://www.legco.gov.hk/yr08-09/english/panels/dev/papers/dev0526cb1-1634-6-e.pdf</a>
		Administration's follow-up paper	CB(1)1833/08-09(01)  <a href="http://www.legco.gov.hk/yr08-09/english/panels/dev/papers/dev0526cb1-1833-1-e.pdf">http://www.legco.gov.hk/yr08-09/english/panels/dev/papers/dev0526cb1-1833-1-e.pdf</a>
		Minutes of meeting	CB(1)2717/08-09  <a href="http://www.legco.gov.hk/yr08-09/english/panels/dev/minutes/dev20090526.pdf">http://www.legco.gov.hk/yr08-09/english/panels/dev/minutes/dev20090526.pdf</a>



Date of meeting	Panel/Committee	Minutes/Paper	LC Paper No.
10.6.2009	Public Works Subcommittee	Administration's paper on 579TH – Central-Wan Chai Bypass and Island Eastern Corridor Link	PWSC(2009-10)52 <a href="http://www.legco.gov.hk/y r08-09/english/fc/pwsc/papers/p09-52e.pdf">http://www.legco.gov.hk/y r08-09/english/fc/pwsc/papers/p09-52e.pdf</a>
		Minutes of meeting	PWSC134/08-09 <a href="http://www.legco.gov.hk/y r08-09/english/fc/pwsc/minutes/pwsc20090610.pdf">http://www.legco.gov.hk/y r08-09/english/fc/pwsc/minutes/pwsc20090610.pdf</a>
3.7.2009	Finance Committee	Recommendations of the Public Works Subcommittee on Public Works Programme and Capital Subvention Projects	FCR(2009-10)31 <a href="http://www.legco.gov.hk/y r08-09/english/fc/fc/papers/f09-31e.pdf">http://www.legco.gov.hk/y r08-09/english/fc/fc/papers/f09-31e.pdf</a>
		Minutes of meeting	FC8/09-10 <a href="http://www.legco.gov.hk/y r08-09/english/fc/fc/minutes/fc20090703.pdf">http://www.legco.gov.hk/y r08-09/english/fc/fc/minutes/fc20090703.pdf</a>
6.10.2009	Council meeting	Hon CHEUNG Hok-ming raised a question on traffic congestion along the link roads to the Aberdeen Tunnel	<a href="http://www.info.gov.hk/gi a/general/200906/10/P200906100184.htm">http://www.info.gov.hk/gi a/general/200906/10/P200906100184.htm</a>
--	--	Joint letter from Dr Hon Kenneth CHAN Ka-lok and Dr Hon KWOK Ka-ki on the recent accidents arising from the construction of Central-Wan Chai Bypass	<a href="http://www.legco.gov.hk/y r12-13/chinese/panels/tp/papers/tpcb1-1363-1-c.pdf">http://www.legco.gov.hk/y r12-13/chinese/panels/tp/papers/tpcb1-1363-1-c.pdf</a>

<b>Date of meeting</b>	<b>Panel/Committee</b>	<b>Minutes/Paper</b>	<b>LC Paper No.</b>
		The Administration's response	<a href="http://www.legco.gov.hk/yr12-13/english/panels/tp/papers/tpcb1-52-1-e.pdf">http://www.legco.gov.hk/yr12-13/english/panels/tp/papers/tpcb1-52-1-e.pdf</a>

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