

**Southern District Council**  
**Progress Report of the South Island Line (East) Project**

**Introduction**

The Southern District Council was updated on the progress of South Island Line (East) (SIL(E)), the implementation of major Temporary Traffic Management Scheme (TTMS) and SIL(E)'s liaison with the community at the Council's meeting on 13 September. This paper provides the latest updates on the project as of the end of 2012, including project progress, the implementation of TTMS and community liaison activities.

**Project Progress and Preview**

2. The project has been making satisfactory progress. The first span of the viaduct was completed in September. Blasting of the Ap Lei Chau tunnel and that of the Nam Fung tunnel which started in late August, is in progress. By the first quarter of 2013, all blasting works along the SIL(E) are expected to have started.

3. This paper covers the latest project progress at work sites near Admiralty, Nam Fung, Ocean Park, Wong Chuk Hang, Lei Tung, Main Street in Ap Lei Chau, and South Horizons.

**Admiralty section**

4. Major works for Admiralty section include the expansion works of the existing station, reconstruction of Harcourt Garden and construction of the ventilation shaft at Hong Kong Park. Piling work was completed and the excavation of the tunnel shaft and station box for the expansion of Admiralty Station is now ongoing at the Harcourt

Garden site. Blasting for the shaft and tunnel is scheduled for commencement in the fourth quarter of 2012. Train service would not be affected.

5. At the Hong Kong Park work site, re-provisioning of facilities of the Leisure & Cultural Services Department had been completed. Mechanical excavation for the ventilation shaft is expected to be completed by the end of 2012 to prepare for the subsequent blasting of rock within the shaft which is expected to start in the first quarter of 2013.

#### **Nam Fung Tunnel Portal site**

6. Tunnel blasting commenced in late August this year. Construction of the superstructure of the elevated tunnel box is in progress and is expected to be completed in the first half of next year.

#### **Ocean Park section**

7. The viaduct segment erection works near the Aberdeen Tunnel entrance is in progress. The first span of viaduct was completed in September.

8. Construction of the footbridge deck connecting the Ocean Park Entry Plaza, pile cap and structural column of the Ocean Park Station is in progress. Construction of the viaduct piers and nullah modification works are ongoing adjacent to the Police College.

#### **Wong Chuk Hang section**

9. Construction of the superstructure at the Wong Chuk Hang depot site is in progress. The Station concourse is being constructed above the completed deck slab of the nullah. The new nullah deck slab underneath the WCH Station has been substantially completed. The foundation work for Wong Chuk Hang Station Entrance A at Heung Yip Road between its first and second junctions with Yip Fat Street is being carried out.

10. Construction of the railway bridge across Aberdeen Channel is in progress at the Aberdeen Praya. The bridge deck construction has commenced at Wong Chuk Hang side, while the foundation work at Ap Lei Chau side was completed and pier construction is in progress.

### **Lei Tung Section**

11. The junction of Apleichau Bridge Road and Ap Lei Chau Drive is temporarily diverted towards the site of the former Harbour Mission School. Construction of the cut-and-cover tunnel box structure with the temporary pipe-piling installation is being carried out at the location of the previous junction.

12. Temporary pipe-pile installation for shaft construction and associated utility diversion works for the construction of Entrance B of Lei Tung Station at the location of the original bus terminus are in progress.

13. Excavation works with temporary pipe-pile installation at Lei Tung Station Entrance A at Main Street, Ap Lei Chau are in progress. Underground cable duct work and road improvement work at the junction of Main Street and Wah Ting Street have been substantially completed.

14. The Ap Lei Chau main tunnel blasting was carried out toward South Horizon Station and Lei Tung Station concurrently. The setting up of the conveyor belt had been completed and the operation started in October this year.

### **South Horizons**

15. Temporary road-deck installation along the section of Yi Nam Road near South Horizons Blocks 23A and 25 has been completed while excavation and utility works continues. Piling work near the Yi Nam Road Y-junction is also in progress. The above works are expected to be completed in the third quarter of 2013.

16. Diversion of the water mains at Yuk Kwai Shan and Lee Nam Road is expected to be completed in the end of 2012. Utility work under South Horizons

Drive and the foundation work for Entrance B are in progress. Utility work at Yi Nam Road and the excavation work under the temporary road-deck of Lee Nam Road are in progress. Associated modification works at Precious Blood Primary School (South Horizons) are in progress and are expected to be completed in the fourth quarter of 2012.

17. The first open blast for South Horizon End Plant Building at Yuk Kwai Shan was commenced in August 2012. It is expected to be completed in the second half of 2013.

### **Temporary Traffic Management Schemes**

18. The brief updates on the TTM implementation are listed below:

<b>Concerned Roads</b>	<b>Proposed arrangement</b>	<b>Implementation Status</b>
Near Aberdeen Tunnel entrance	TTMS at Wong Chuk Hang Road in the vicinity of Aberdeen Tunnel entrance will continue to be implemented during the second half of 2012 at night for viaduct construction.	Implemented
Ocean Park Road	Temporary closure of the sections of private road between Ocean Park Road and the entrance of the Ocean Park will continue to be implemented in stages.	Implemented
Nam Long Shan Road	Starting from the fourth quarter of 2012 to 2013, a section of Nam Long Shan Road near the junction with Heung Yip Road will be temporarily shifted eastward.	Fourth quarter of 2012
Police School Road	Starting from 4 October 2012 to 2013, a section of Police School Road near the junction with Heung Yip Road will be temporarily shifted eastward.	Implemented
Ap Lei Chau Drive	The junction of Apleichau Bridge Road and Ap Lei Chau Drive is diverted temporarily towards the site	Implemented

<b>Concerned Roads</b>	<b>Proposed arrangement</b>	<b>Implementation Status</b>
	of the former Harbour Mission School since June 2012. Signalized controlled pedestrian crossing facilities have also been in place to cope with the changes in TTMS to ensure safety.	
Lei Tung Estate Road	With the relocation of part of the facilities to the new bus terminus, part of the existing bus terminus and sections of footpath adjacent to Lei Tung Commercial Centre (Phase 1) are temporarily closed in stages for the construction of the station entrance and associated works. Temporary road closure at Lei Tung Estate Road for shaft blasting at Entrance B is expected to commence in the first half of 2013.	Implemented
Lee Nam Road, Yi Nam Road & South Horizons Drive	Construction of the South Horizons Station will be conducted mainly within Yi Nam Road, Lee Nam Road, South Horizons Drive and Apleichau Bridge Road. Associated TTMS will be implemented along these roads in phases. Bus terminus operation will be maintained with some of the bus and GMB routes adjusted. Pedestrian crossings and footpaths will be maintained to ensure road users' safety.  Temporary road closure at Lee Nam Road for open blasting at Yuk Kwai Shan has been implemented until the second half of 2013.	Implemented

### **Blasting works of SIL(E)**

19. Tunnel blasting works along the alignment had commenced as of the third

quarter of 2012. Blasting schedule at different work sites as follows:

#### 19.1 **Tunnel blasting**

- Nam Fung Tunnel: The blasting started in late August 2012 and is expected to last until early 2014 with two blasts per day.
- Ap Lei Chau Tunnel: The main tunnel blasting was carried out toward South Horizon Station and Lei Tung Station concurrently. It is expected to be completed in the third quarter of 2013 with two to three blasts per day. Blasting of the shaft for the construction of Lei Tung Entrance B is expected to start in the end of 2012 or the first quarter of 2013 with one blast per day.

#### 19.2 **Open blasts**

- Yuk Kwai Shan at South Horizons: The first open blast for South Horizon End Plant Building was commenced in August 2012. It is expected to be completed in the second half of 2013 with one blast per day.

### **Community Liaison**

20. The Hoarding Design Competition Award Presentation Ceremony was held on 29 September. We would like to extend our gratitude to the schools for their support, and the judges including Southern District Council Chairman and Vice-chairman Mr Chu Ching-hong and Mr Chan Fu-ming, Councilors Mr Fergus Fung, Mr Kevin Tsui and Mr Lo Kin-hei and Ms Cheung Sik-yung, for helping with the selection and attending the Ceremony despite their tight schedules. All the winners' drawings are mounted on the hoarding at designated locations.

21. The MTR Corporation has maintained close communication with the District Council and the local community regarding the progress of the SIL(E) project. The eighth round of Community Liaison Group (CLG) meetings will be held in November. The dates will be available for the public at the SIL(E) website later.

22. The Corporation is keen in volunteer works. The SIL(E) team together and Leighton John Holland Joint Venture, the contractor of the two underground stations and the tunnel in Ap Lei Chau, reached out to the Neighborhood Advice-Action Council – Lei Tung Social Centre for the Elderly Centre in the Mid Autumn Festival that have just past to share joy with the elderly.

### **Conclusion**

23. The Government and the Corporation will continue to maintain close communication with the Southern District Council and the community. The construction of the SIL(E) is making good progress and is expected to be completed in 2015.

MTR Corporation

November 2012