

In accordance with the requirements of the EIA Study Brief, the EIA is to cover the following aspects of impact assessment:

- Noise impacts
- Air quality impacts
- Landfill gas hazards
- Water quality impacts
- Landscape and visual impacts

The assessment results were used to evaluate potential impacts to both existing and planned developments and other sensitive sites. Locations where acceptable limits could be exceeded were identified and appropriate mitigation measures were specified.

Considering the nature and environment of the project, impacts arising from construction waste, ecology and cultural heritage would be minimal, which is the reason they were not included in the EIA Study Brief. No assessment was therefore required.

2.0 DESCRIPTION OF THE PROJECT

A review of alternative alignments was undertaken by comparing various aspects of the options including the choice of alignment, form of structure, junction assessment, road traffic noise, air quality, landscape and visual impact, land resumption, construction costs and programme. After striking the balance from all relevant aspects, the layout has been chosen and depicted on Figure 2.1.

According to the proposed programme as shown in Figure 2.2, construction is scheduled to commence in December 2004 for completion by the end of 2007. The scope of the Project comprises the following:

- (a) construction of two sections of single lane eastbound underpasses. The first section is about 48m long while the second section is less than 230m in length. They would be constructed beneath the existing Lei Yue Mun Road/Kai Tin Road roundabout and the new signalized control junction of Lei Yue Mun Road with Yau Tong Road and Slip Road to EHC;
- (b) re-provision of a two-lane slip road connecting Lei Yue Mun Road to the Kai Tin Roundabout;
- (c) construction of a single lane slip road connecting Kai Tin Road to the new signalized control junction;
- (d) construction of a footbridge for pedestrian crossing at the junction of Lei Yue Mun Road and Kai Tin Road;
- (e) junction modification at Lei Yue Mun Road/Yau Tong Road/Slip Road to EHC;
- (f) construction of three sections of noise canopies, two sections of noise semi-enclosure, and a 7.7m high with 3m horizontal cantilevered noise barrier along Lei Yue Mun Road. The total lengths for the noise canopies, noise semi-enclosures and cantilevered noise barrier are 175m, 112m, and 115m respectively; and
- (g) associated geotechnical, landscaping and road reconstruction works.