A total of 188 flyovers have been identified in the entire Hong Kong Territory for this scoping study and have been reviewed using a multi-factor coarse screening process. Taking into account the location of flyovers, government constraints, special requirements and at-grade road traffic, 11 flyovers were shortlisted and recommended for the detailed noise assessment.

The effectiveness of direct technical remedies such as 3m noise barriers, 5m cantilevered barrier, semi-enclosure and full enclosure has been assessed using the traffic noise model. The cost-effectiveness of each direct technical remedies has been elevated based on the noise reduction at the nearest NSRs. A cost effectiveness factor C has been used to prioritise the types of direct technical remedies recommended for each flyover and the prioritized list of implementation. Assuming the cost of implementation remains constant for the same category of direct technical remedies, a higher value of C would represent a more effective solution in terms of noise protection for more dwellings and larger degree of noise reduction.