

## 7 RECOMMENDATIONS

### 7.1 Working Tools

In the exercise using the “Working Tool”, the following effects were not considered:

- The effect of the existing topographical barriers or noise tolerant structures;
- The effect of angle of view of the road under consideration and other roads in the close vicinity.

In order to enhance the usefulness of the Working Tool, site visits to the identified road sections with all the criteria duly satisfied should be made to supplement the information that cannot be extracted from survey maps. This information should include at least the following:

- Site constraints;
- Building type;
- Building height;
- Topography

Furthermore, simple noise calculation based on available traffic data should be carried out to verify the preliminary conclusion derived from the use of the Working Tool. However, this may lead to the stage of the feasibility study.

### 7.2 Recommendations for Further Study

Each identified mitigation option should be subject to a comparative evaluation whereby the most optimum option for an identified road section is recommended for implementation. The evaluation of the engineering consideration and environmental consideration is substantial and should include the followings :

#### *Engineering Consideration*

Buildability

Safety

Traffic Management during Construction

Detailed Cost Evaluation

#### *Environmental Considerations*

Noise Impact

Air Quality Impact

Landscape Impact

Visual Impact