

5 PRIORITIZATION OF NOISE MITIGATION WORKS PROGRAMME

In order to optimize the utilization of resources available and to implement the recommended mitigation schemes for the identified road sections in a manageable and efficient manner, it is necessary that the works should be prioritized.

According to the CE 8/96 Study, ranking based on population exposure is recommended. Higher priority is given to the mitigation scheme that aims to protect more dwellings affected by road traffic noise. The prioritization method would provide a more rational result, as the top prioritized mitigation schemes would tend to protect more population and sites to achieve a higher reduction.

Priority of implementing noise mitigation works on the at-grade roads is given in Table 5.1.

Table 5.1 – Prioritization of Noise Mitigation Works Programme

Name of Road	No. of Dwellings Benefitted	Total Cost (HK\$)	Cost per Dwelling (HK\$)	Priority Ranking
Chai Wan Road	143	12,664,260	88,561	8
Heung Yip Road	520	45,606,413	87,705	3
Sau Mau Ping Road	360	37,088,190	103,023	6
Sau Mau Ping Road + Shun Lee Tsuen Road	1480	87,745,230	59,287	2
Tai Po Road	305	40,127,640	131,566	7
Ma Wang Road	370	36,183,600	97,794	5
Po Ning Road	1520	119,643,930	78,713	1
Yuen Shin Road	464	34,374,420	74,083	4
Remarks:	*Form of Barriers BB – Bend-top barrier (5m high with 2m cantilever 45° inclined) SE – Semi-enclosure FE – Full enclosure			

Subject to the availability of funding and Government works programme, a preliminary works programme for the implementation of the recommended mitigation measures is shown in Figure 5.1. The programme is expressed in terms of the year number to avoid flexibility for implementation.