This dissertation is intended to identify and analyse factors affecting the selection of the appropriate repair methods for spalling concrete. In the following chapters, the main causes of spalling concrete have been identified so that repair works can be done effectively and that reoccurrence of the same defect will not resurface. Various test methods are employed to assist in the diagnosis of spall concrete and thereafter arrive at a conclusion of what the real cause of the spall is. The types of repair techniques available in the market are introduced to gain an insight of the repair procedures and materials.

This study shows that the repairing cost and the area of spalling play a dominant role in the adoption of the appropriate repair method. However, other factors may also affect the method adopted.