The objective of this project is to develop recommendations, based on both the case and literature studies, to solve the problems of highway environment. The goal is to integrate the highway into a healthy living environment, where the disconnecting barrier effect and the problems of noise and air pollution are solved/reduced. Therefore, the following research question is formulated:

How can the highway be integrated into a healthy living environment, where the disconnecting barrier effect and the problems of noise and air pollution are solved/reduced?

In different parts of the Netherlands and also in other countries around the world, populations are growing. When population grows, urban areas tend to grow as well. Next to the needs for more living space, urban planners have to deal with the demands of mobility and accessibility in and around the cities. Often, cities are built along highway networks. These highway networks create a lot of noise and air pollution which causes health and annoyance problems for both humans and animals within the cities. Therefore, this project will study solutions for the problems of noise and air pollution caused by highways.