**Project design sketch – 309930006 and 301224283**

**Article #6 - Communication framework for vehicle ad hoc network**

**on freeways**

1. The article proposes and new design for a Vehicular Ad-hoc Network (VANET) on a freeway.

The main novelties proposed in the suggested design are:

- Usage of mobile, high-power relay stations.

- Usage of a stationary infrastructure along the highway (Base stations) and a main core network.

1. We'll simulate a two-way highway road section with vehicles using the proposed protocol and all of it's supported functions. We'll measure the response time to different messages supported by the suggested protocol.
2. Rough NED desgin: