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## Henvendelse til udvalg

Følgende henvendelse til udvalget er modtaget fra hjemmesiden

Henvendelsen er vedhæftet som fil.

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## **Proposal**

Building a cover for motorways/highways in highly-populated areas is a necessity for people's wellbeing and for the climate. Covering the overpopulated roads will essentially transform them into over-ground tunnels. This should be done to create extra area for installation of climate-friendly energy sources, to reduce CO<sub>2</sub> and particle emission.

## **Tunnel equipment**

Within the tunnels, particle-capturing technology should be installed. The top of the tunnels should be covered by solar cells to supply electricity for: a) illumination of the road within; b) operation of ventilators driving particle filters (see below).

## **Benefits for people and environment**

Large roads generate huge amounts of particles from rubber, burning diesel, and so on. Often these are dangerous for people's health simultaneously contributing to the pollution of environment. When the roads are covered, these particles will not simply escape into the surrounding air, but can be captured, filtered out and/or destroyed.

Improvement of living standards for people living around major transport flow-channels by reduction of noise and reduction of particle pollution generated by traffic.

## **Economic benefits**

In the winter months no protection of the roads from snow/ice by salt or sand will be necessary, therefore, no salt is spilling in the surrounding areas. In addition, clearing the roads after storms will not be necessary.

Protection from weather will benefit the road safety: no traffic collapse on the rainy days, no flooding on the roads.

The cover will reduce fluctuations of temperature during cloudy, freezing and sunny days, thus reducing degradation of the asphalt and the need for its repair.

Extra equipment can be installed in the future for capturing CO<sub>2</sub> and transforming it into something else (dry ice or methane, for example).