FROM HIGHWAY TO STREETWAY

CONCEPT: building integrated with exit highway

STRENGTH

- Fresh experience: buildings and green spaces integrated into a new experience and convenient way of shopping.
- Road texture (noise diffraction) angles to shatter noise.
- Integrating road & building infrastructure and people in which the separation becomes a connection between building, urban fabric and public spaces.

OPPORTUNITY

- Lots of available space highway can be changed into a new experience & convenient way of shopping.
- Shopping mall designed for cars & pedestrians.

WEAKNESS

- Anticipate traffic for safety.
- Interacting with sound by applying road textures.
- Air and noise pollution due to emissions of NOx, NO2, PM 10, CO2, and CO.

THREAT

- Air and noise pollution affects our health due to intake of the car's pollutants and facing deleefomgeving.nl, 2012.
- Poor spatial quality and limited space; poor access for cyclists and pedestrians.

STREET

- Exhibition road
- Consciously orientation
--heights and applying thresholds
- Control traffic speed by adjusting road

CONSTRUCTION

- Logistics
- Shopping mall + Electricity
- Exhibition road

FAÇADE

- HANGING STEEL STRUCTURE
- ROOF
- SHOPPING STREET
- ROAD STREET
- STRUCTURAL CONCRETE CORE
- VIP ROAD HIGHWAY

Environmental & Social Values

- Bike lanes, public squares
- Eco-friendly materials, energy-efficient design
- Green roofs, rainwater harvesting
- Social interactions, community spaces

Air and noise pollution affects the city's living environment due to the highway, warm and even extinction of plant life and soil. Air and noise pollution affects our health due to intake of the car's pollutants and facing deleefomgeving.nl, 2012.

Current death rate, 2017: 2.3 million
Annual death rate, 2017: 18,000

Air and noise pollution affects our health due to intake of the car's pollutants and facing deleefomgeving.nl, 2012.
FROM HIGHWAY TO STREETWAY

Concrete core

Dowel pin (Stiftdeuvels)

Integral steel slab

Concrete cores connected to the concrete core

Structural Concrete core

Dilatation between floors

Section A principle structure

Section B principle structure