Safety concept

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E4 The Stockholm bypass
Safety Concept
Basic assumptions

- The basis of the safety concept is self-evacuation
- No traffic restrictions, i.e. all types of goods should be allowed
A safe journey

The safety concept has been developed in collaboration with other authorities

- Safe design
- Parallel tunnels, no bi-direct traffic
- Frequent emergency exits
- CCTV
- Detectors
- Fixed fire fighting system
Safe design
The Stockholm Bypass will be connected to TMC Trafik Stockholm and is supervised 24/7/365. The system is connected to the National Traffic Management system NTS.

The traffic operators in Trafik Stockholm will receive real time indications and from the tunnel and the operator can activate pre-defined action plans in NTS to prevent and obviate abnormal situations.
Mechanical and electrical installations for a safe journey
Concept based on the Southern and Northern link tunnels
System architecture for roadside equipment, bridges and tunnels

National systems
Users: Traffic and operational operators in TMC
Example: NTS, Telephone systems

Regional systems
Users: Operators, maintenance contractors,
Example: Klients for local systems, databases, Regional coordination systems

Local systems
Users: Maintenance, local control, emergency service
Example: ASÖ, operator pa

Field equipment
Users: Interaction with drivers
Example: Signs, barriers, fans

Roadside equipment
System complex, i.e. Tunnels, Bridges
Scope of technical system in The Stockholm bypass