Road infrastructure safety in Denmark
the Sund & Bælt network

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Sund & Bælt’s motorways

Operated since 1998  22km
Operated since 2000  9+16 km
Under planning  20 km
Key objectives for critical road infrastructure:

**Availability** at the Storebælt link in average:
- Total closure: 10 hours/year (0.5 hours due to accidents)
- Closure in one direction: 5 hours/year

**Accessibility** as high as possible – maintenance work at low traffic intensity (<1000 vehicles/hour)

**Traffic safety:**
Basis for high traffic safety

• **Monitoring** of weather, traffic and road conditions
• **Warning** of drivers on these topics in time, sufficient information and when needed (during planning of trip and before and during passage)
• **Maintaining** excellent road conditions and efficient safety measures
Monitoring at the Storebælt link takes place from a control room and is assisted by the road patrol.

- Traffic
- Strong wind
- Possible glazed frost
- Ice or snow on structures
- Fog
- Maintenance activities
- Queue at toll station
- Accidents
- Risk for ship collision
Warning

Purpose of warning:
• Prevent accidents
• Assist the drivers in time (in planning and during passage)

Different means to be used:
• Traffic radio
• Internet
• SMS
• Local radio
• Variable message signs
Maintaining road conditions and safety measures

- **Systematic removal** of black or grey spots at the infrastructure based on facts (incident and accident statistics)
- **Fast removal** of lost items, stopped vehicles and snow etc.
- **Prevention** of ice on road based on data from sensors on critical spots
- **Protection** of drivers and workers using efficient safety measures and necessary traffic regulations
Every accident is one too much
As operator you can still make a difference

Thank you for your attention