Transport trends in Sweden

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• Infrastructure

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Organisation of the Swedish transport sector

RIKSDAGEN (Swedish Parliament)

GOVERNMENT

Ministry of Enterprise, Energy and Communications

From April 2010

Regulation
Control

Analysis
Evaluation
Statistics

Infrastructure
Traffic
Planning

Civil
aviation
adm.

Swedish maritime adm.

Swedish transport administration

Swedish inst. for transport & communications analysis (SIKA)

National road adm.

National rail adm.

Civil aviation adm.

Swedish transport agency

Until March 2010

Swedish transport agency
Transport Analysis (Trafikanalys)

• A government agency, established on 1 April, 2010

• Provide decision-makers with sound and relevant policy advice

• Review, analyze, follow up, and evaluate proposed and implemented measures in transport policy

• Produce official statistics (OS) in the transport and communication sectors, including travel surveys and commodity flow surveys
Road

- 7,000,000 vehicles
  - 4,500,000 cars
  - 550,000 trucks

### Swedish roads (km) 2012

<table>
<thead>
<tr>
<th>Category</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-roads</td>
<td>6,500</td>
</tr>
<tr>
<td>National roads</td>
<td>8,900</td>
</tr>
<tr>
<td>Primary county roads</td>
<td>11,000</td>
</tr>
<tr>
<td>County roads</td>
<td>72,100</td>
</tr>
<tr>
<td><strong>Total state roads</strong></td>
<td>98,500</td>
</tr>
<tr>
<td>Municipality roads</td>
<td>41,600</td>
</tr>
<tr>
<td>Private roads</td>
<td>439,000</td>
</tr>
</tbody>
</table>

Number of light trucks per fuel, plus heavy trucks, 2004-2013.
### Rail

<table>
<thead>
<tr>
<th>Type</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single track</td>
<td>9,190 km</td>
</tr>
<tr>
<td>Double track</td>
<td>1,947 km</td>
</tr>
<tr>
<td>Subway</td>
<td>109 km</td>
</tr>
<tr>
<td>Trams</td>
<td>130 km</td>
</tr>
</tbody>
</table>
## Airports – five largest

<table>
<thead>
<tr>
<th>Airport</th>
<th>Passengers</th>
<th>Tons</th>
<th>Landings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stockholm-Arlanda</td>
<td>19 700 000</td>
<td>56 800</td>
<td>105 000</td>
</tr>
<tr>
<td>Göteborg-Landvetter</td>
<td>4 900 000</td>
<td>32 700</td>
<td>30 400</td>
</tr>
<tr>
<td>Stockholm-Skavsta</td>
<td>2 300 000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stockholm-Bromma</td>
<td>2 300 000</td>
<td></td>
<td>33 600</td>
</tr>
<tr>
<td>Malmö Airport</td>
<td>2 100 000</td>
<td>25 500</td>
<td>18 600</td>
</tr>
<tr>
<td>Örebro</td>
<td></td>
<td>6 400</td>
<td></td>
</tr>
<tr>
<td>Stockholm-Västerås</td>
<td></td>
<td>5 100</td>
<td></td>
</tr>
<tr>
<td>Göteborg city</td>
<td></td>
<td></td>
<td>24 600</td>
</tr>
</tbody>
</table>
Ports

The largest goods ports – handled tonnes 2012.

<table>
<thead>
<tr>
<th>Port</th>
<th>Passengers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stockholm</td>
<td>9 108 000</td>
</tr>
<tr>
<td>Helsingborg</td>
<td>7 841 000</td>
</tr>
<tr>
<td>Ystad</td>
<td>1 962 000</td>
</tr>
<tr>
<td>Göteborg</td>
<td>1 605 000</td>
</tr>
<tr>
<td>Visby</td>
<td>1 590 000</td>
</tr>
</tbody>
</table>
Major goods flows 2012

Blue = Maritime
Green = Rail
Red = Road
Transport policy objective

• The objective of transport policy is to ensure the economically efficient and sustainable provision of transport services for people and businesses throughout the country.

• **Functional objective – Accessibility:**
  • The design, function and use of the transport system will contribute to provide everyone with basic accessibility of good quality and functionality and to support the development potential throughout the country. The transport system will be gender equal, meeting the transport needs of both women and men equally.

• **Impact objective – Health, safety and environment:**
  • The design, function and use of the transport system will be adapted to eliminate fatal and serious accidents. It will also contribute to the achievement of the environmental quality objectives and better health conditions.
Medborgarnas resor
Näringslivets transporter
Geografisk tillgänglighet
Jämställt transportsystem
Tillgänglighet för personer med funktionsnedsättning
Barns möjligheter
Kollektivt, gång och cykel
Olyckor i vägtrafiken
Olyckor inom sjöfarten
Olyckor inom bantrafiken
Olyckor inom luftfarten
Transporternas klimatpåverkan
Övriga miljö- och kvalitetsmål och hälsa

Funktionsmålet
Hänsynsmålet

Transportsystemet utvecklas enligt preciseringen
Transportsystemet utvecklas i motsatt riktning mot preciseringen

Impact objective
Functional objective

Environment and health
Passenger travel
Business transport
Geographical accessibility
Gender equality
Accessible for people with disabilities
Childrens travel possibilities

CO\textsuperscript{2} from Transport
Accidents - aviation
Accidents - rail
Accidents - maritime
Accidents - road
Public transport, walking, and cycling
Passenger and tonne km vs. economic growth

Source: Konjunkturinstitutet and Trafikanalys
Transport CO\textsuperscript{2} emissions (million tonnes)
Train punctuality at final destination (share of trains right time + 2 or 5 min.)

Figur 3.1.3: Andel persontåg som ankommer i till slutstation inom 2 respektive 5 minuter efter utsatt tid enligt tidtabell samt fördelningen per tågsort 2009-2013. Källa: (Trafikverket)
Traffic safety – number of killed (including suicides on road and rail)

Road: Average 2006-2008, Target 2020
Maritime: Average 2011-2013
Rail: Average 2011-2013
Aviation: Average 2011-2013
Some transport news in Sweden

• Public transport is open for competition
• “Improve the railway system!”
• Sulphur Emission Control Area (SECA) 2015
• High speed rail network
• Fossil-free fuel vehicles 2030
• National Transport Plan 2014-2025
National Transport Plan 2014-2025

### Public investments 2012 (million SEK)

<table>
<thead>
<tr>
<th></th>
<th>Total Roads</th>
<th>State roads</th>
<th>Rail</th>
<th>Ports</th>
<th>Airports</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>19 260</td>
<td>11 689</td>
<td>12 218</td>
<td>218</td>
<td>5</td>
</tr>
</tbody>
</table>

### National Transport Plan 2014-2025 (million SEK)

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintenance – road</td>
<td>155 000</td>
</tr>
<tr>
<td>Maintenance – rail</td>
<td>86 000</td>
</tr>
<tr>
<td>Investments</td>
<td>281 000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>522 000</strong></td>
</tr>
<tr>
<td>Congestion fee etc.</td>
<td>67 000</td>
</tr>
<tr>
<td>Co-financing</td>
<td>18 000</td>
</tr>
<tr>
<td><strong>Number of projects</strong></td>
<td>150</td>
</tr>
</tbody>
</table>

1 € = 9.5 SEK
Some major road projects

- **Stockholm by-pass (Förbifart Stockholm)**
  - 28 000 million SEK
    - TEN-T financing 1,4 Mdr SEK
  - 21 km (18 km in tunnel)
  - Planned traffic start 2024

- **Sundsvall by-pass**
  - 20 km on the E4, with 33 bridges
  - Planned traffic start 2015
  - 4 100 million SEK
Some major rail projects

• Citybanan
  • 6 km tunnel in Stockholm for commuter trains
  • 2 new stations
  • 16 800 million SEK
  • Planned traffic start 2017

• Ostlänken
  • Double-Track High-speed Railway Stockholm-Linköping (150 km)
  • Planned traffic start 2028
  • 30 000 million SEK
Thank you for your attention!