Congestion Charges
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Swedish Road Administration
**Trial Implementation of a Congestion Tax in Stockholm**

A congestion tax is being put into trial operation in Stockholm up until 31 July 2006. This applies only to vehicles registered in Sweden. Foreign registered vehicles are not subject to this tax.

Vehicles are registered automatically at the control points so as not to disrupt the flow of traffic. Drivers are not to stop at these control points.
Three parts of the Stockholm trial

Transport of Stockholm

City of Stockholm

Swedish Road Administration
18 control points
a charge is made when entering/exiting the centre of Stockholm
Weekdays
06.30 am – 06.29 pm

- SEK 10, 15 or 20/passage on weekdays
- No congestion charges on evenings, nights and weekends
- Maximum charge SEK 60 per day and vehicle
- Lidingö – free passage through the city centre to/from Lidingö within 30 minutes

<table>
<thead>
<tr>
<th>Time</th>
<th>Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>06.30 - 06.59</td>
<td>SEK 10</td>
</tr>
<tr>
<td>07.00 - 07.29</td>
<td>SEK 15</td>
</tr>
<tr>
<td>07.30 - 08.29</td>
<td>SEK 20</td>
</tr>
<tr>
<td>08.30 - 08.59</td>
<td>SEK 15</td>
</tr>
<tr>
<td>09.00 - 15.29</td>
<td>SEK 10</td>
</tr>
<tr>
<td>15.30 - 15.59</td>
<td>SEK 15</td>
</tr>
<tr>
<td>16.00 - 17.29</td>
<td>SEK 20</td>
</tr>
<tr>
<td>17.30 - 17.59</td>
<td>SEK 15</td>
</tr>
<tr>
<td>18.00 - 18.29</td>
<td>SEK 10</td>
</tr>
<tr>
<td>18.30 - 06.29</td>
<td>SEK 0</td>
</tr>
</tbody>
</table>
No barriers, no stops, no roadside payments

- Amount due for payment shown at the control point
- Automatic identification. License plates are photographed
- A limited part of the car is shown on photograph – people and objects inside the car cannot be seen
Roadside

- Gantries 40
- Lanes 82
- Cameras 164
- Lasers 159
- Cabinets 23
- Computers MLC 62
System Architecture

Control point
- Two photos of license plates
- Type of vehicle
- Input from transponder
- Time & place

Pre-processor
- Off line OCR
- MCR by call-centre
- Transponder → license.no
- Scanning pictures
- Excludes exempted vehicles
- Creates daily tax decisions

Web portal
- "My tax decisions"
- Order transponder
- Company service
- Intranet: call-centre, SRA, SKV

Traffic registry
Daily up-dates of vehicle information

SAP
- Accounting
- Payment
- CRM
- Reports

Swedish National Tax Board (SKV)

Swedish Postal Services
- Scanning
- Printing
- Distribution

Pressbyrån/7-Eleven
- Payments
- Order transponder
- Returning transponder

Payment
Nordea
SRA accounts
BGC
Autogiro Direct Debit
Other banks
Payment

The Enforcement Service (KFM)
24 Hours Operational Cycle

- Backup
- Car Registry Update
- Direct Debit
- Business Warehouse Update
- Dunning
- Tax Decision
- Payment Lot
- Capturing Passage Data
- Payment Files
- Preprocessing and OCR
- MCR and Predunning Verification
- Web + Payment
Quality Assurance of the Technical System

Quality assurance of the technical system has been conducted at 9 of the 18 control stations through filming traffic for four hours and subsequently counting the vehicles manually. 100 per cent agreement was found.
9 800 companies own 256 000 cars in the County of Stockholm
Information at the central station
December 6 -8
Messages were adapted based on knowledge measurement among the public.

The diagram shows the proportion of the public that had 7-10 right out of 10 knowledge questions about congestion tax.
Media coverage
December 2005 - March 2006
Var fjärde bil försvann
Trafiken in i och ut ur innerstaden minskade med 25 procent på försöks första dag
Five months of operation

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of passages</td>
<td>34,047,400</td>
</tr>
<tr>
<td>Tax decisions</td>
<td>10,589,500</td>
</tr>
<tr>
<td>Reminder 1</td>
<td>437,000</td>
</tr>
<tr>
<td>Reminder 2</td>
<td>101,000</td>
</tr>
<tr>
<td>Reminder 3</td>
<td>39,000</td>
</tr>
<tr>
<td>Appeals to the tax authority</td>
<td>9,841</td>
</tr>
<tr>
<td>Appeals to court</td>
<td>420</td>
</tr>
<tr>
<td>Tax income</td>
<td>292 million SEK</td>
</tr>
</tbody>
</table>

**Payments (May)**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct debit</td>
<td>65%</td>
</tr>
<tr>
<td>Retail stores</td>
<td>22%</td>
</tr>
<tr>
<td>Banks</td>
<td>13%</td>
</tr>
</tbody>
</table>
Down-time, laneminutes

<table>
<thead>
<tr>
<th>Month</th>
<th>Laneminutes</th>
<th>% of laneminutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
<td>500</td>
<td>0,05%</td>
</tr>
<tr>
<td>Feb</td>
<td>2500</td>
<td>0,2%</td>
</tr>
<tr>
<td>March</td>
<td>200</td>
<td>0,02%</td>
</tr>
<tr>
<td>April</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>May</td>
<td>100</td>
<td>0,01%</td>
</tr>
<tr>
<td>June</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>
Unidentified payments

- TIPS PG Antal
- TIPS BG Antal
- 7Eleven Antal
- Pressbyran Antal
Significant decrease in incoming calls
No Occurrence of Vandalism

Devices to inhibit climbing the gantries along with other measures have prevented vandalism

Securitas guards the entire system through completing rounds 24 hours a day
26th of June

Autogenerated status report at time: 2006-06-26 20:00:00

Passenger Information:
Total number of passengers: 340323
Number of passengers identified with OBU: 161102 (47.3%)
Number of passengers identified with OCR: 151586 (44.5%)
Number of passengers identified with MCR: 27635 (8.1%)
Number of passengers queuing on MCR: 0 (0.0%)
Number of taxable vehicles: 117317

Reported stops at toll stations:
Number of stops: 0
Number of stops with reported stops: 0
Number of toll station stops with reported stops: 0
26th of June
Two direct communication channels with the general public

Joint website in “Stockholmsförsöket”
www.stockholmsforsoket.se

Call Centre
phone 0771-29 29 29
open Monday-Friday
07.00 am – 09.00 pm
Congestion bonus, City of Nora

Bonusbeloppet utdelas kontant till fordonsförare i samband med infart till staden Nora.