



SWEDISH
TRANSPORT
AGENCY



TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION



Road Tolling in Sweden

IBTTA
TOLLING. MOVING SMARTER.

Transportation Finance and Mileage-Based User Fee Symposium

Innovating to Find New Revenues

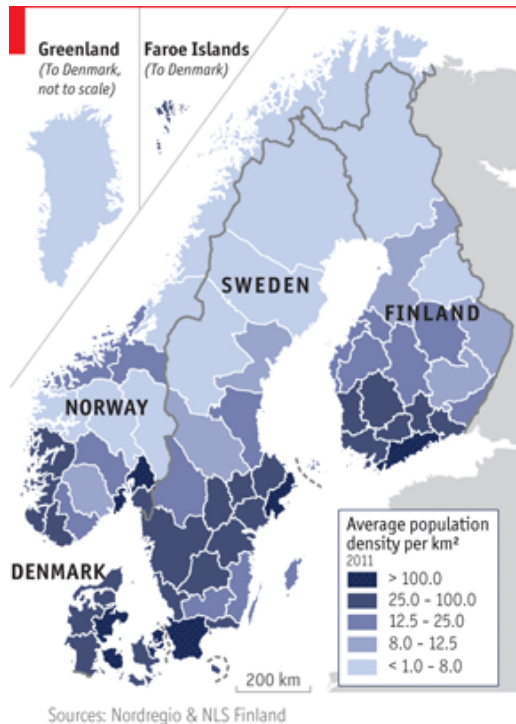
PHILADELPHIA April 14-16, 2013

Agenda

- ✓ The Swedish context
- ✓ Congestion Tax in Stockholm
- ✓ Foreign Vehicles
- ✓ Congestion Tax in Gothenburg

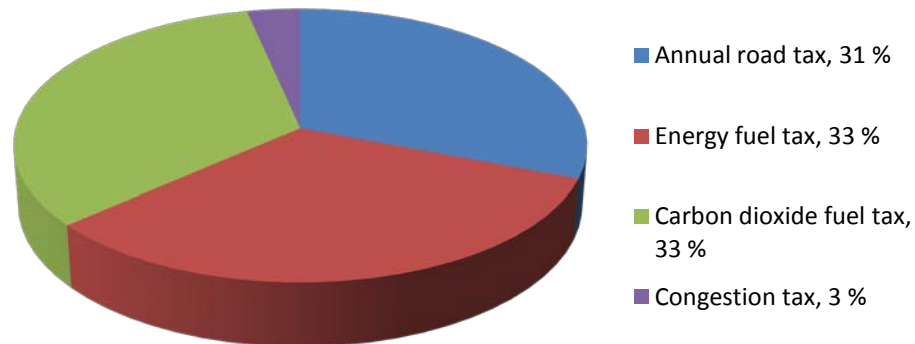


The Swedish Context



Total vehicle tax revenues:
7,7 Billion \$

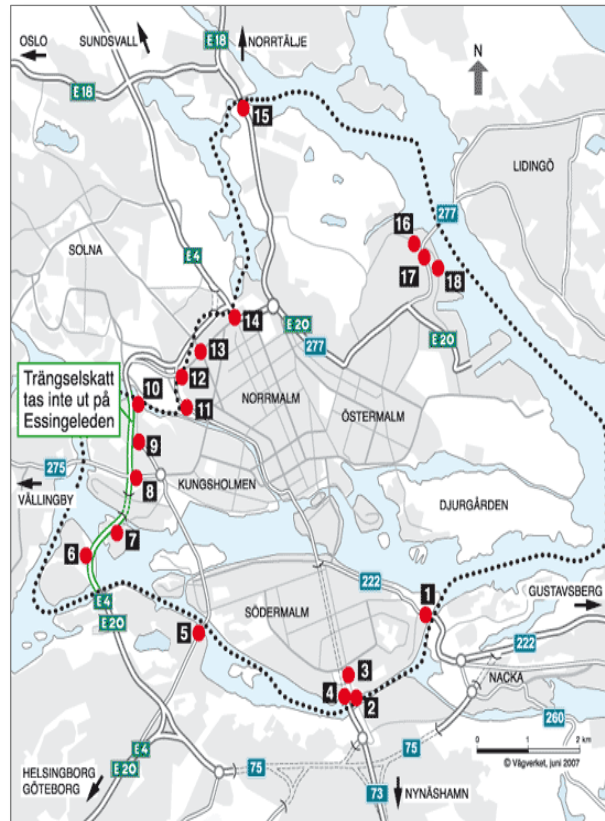
- 174 000 sq. mi. / Pop.: 10 million
- Capital: Stockholm / Pop.: 1.8 million
- 61 000 miles federal roads
- 16 018 bridges, 25 tunnels, 37 ferry lines
- Road infrastructure normally financed by the state budget
 - Maintenance: 1.8 billion \$ (2013)
 - Investments: 1.5 billion \$ (2013)



Road Tolling in Sweden

- 1988 new legislation open up for road tolls
- 2000 Tolloed bridge to Denmark
- 2005 Tolloed bridge to Norway
- 2007 Stockholm Congestion Tax
- 2013 Gothenburg Congestion Tax
- 2013-2016 Three Tolloed new bridges
- Distance based tax for HGV??

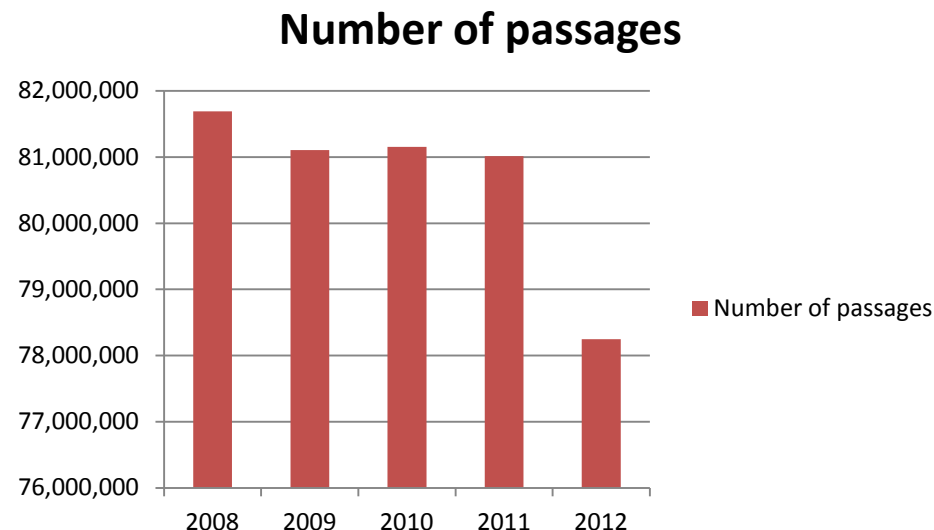
Congestion tax in Stockholm



- 18 control points located at Stockholm city entrances and exits
- Video based free flow system
- Encompassing an area of 34.5 km².
- 1/3 of city inhabitants lived within the congestion tax zone.

THE FULL-SCALE TRIAL IN STOCKHOLM

- Traffic reduction, - 20-25%
- Queuing time reduction, 30-50% in the city
- 14% emission reduction in city, 2.5% in Stockholm county
- Total revenue (2012) : 123 million US \$
- Total costs (2012) : 20 million US \$



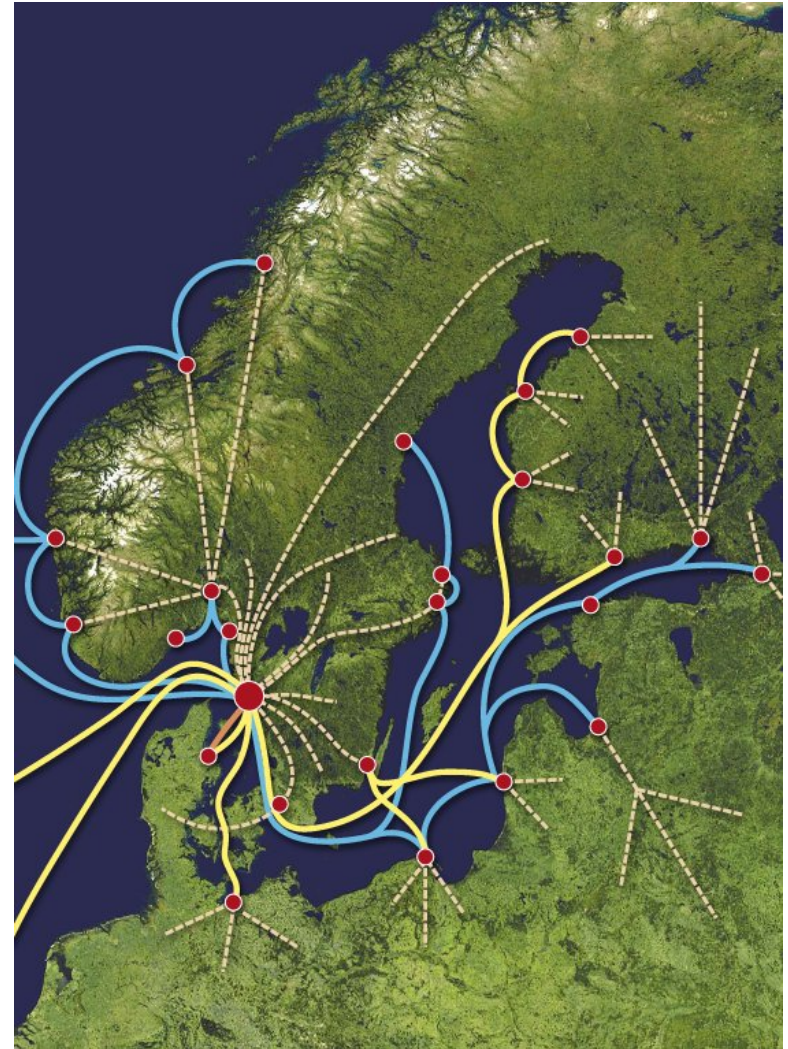
Foreign Vehicles

- Foreign vehicles are exempted today
- From 2014 – also foreign vehicles have to pay
- DSRC-system will be introduced used on a voluntary basis
- Web based payment service
- Outsourcing of penalty notices



About Gothenburg

- Sweden's second largest city
- Sweden's third largest labour market area (960 000 inh).
- Freight hub
- Land use low density, low public transport market share



The goals of The West Swedish Agreement

- Increase the employment market region
- An attractive core with developments along the main thoroughfares
- Competitive public transport
- Good living environment



Congestion Tax – an important tool

- Improve the environment
- Reduce the congestion
- Help finance a large investment in infrastructure (5,3 billion \$)



Cooperation

- Political support from left to right
- Across jurisdictions
 - National Transport Administration (Road and rail administration)
 - Regions (Gothenburg Region, Västra Götaland and Halland)
 - The City of Gothenburg
 - Swedish Transport Agency
 - The local public transport company



Congestion Tax Scheme

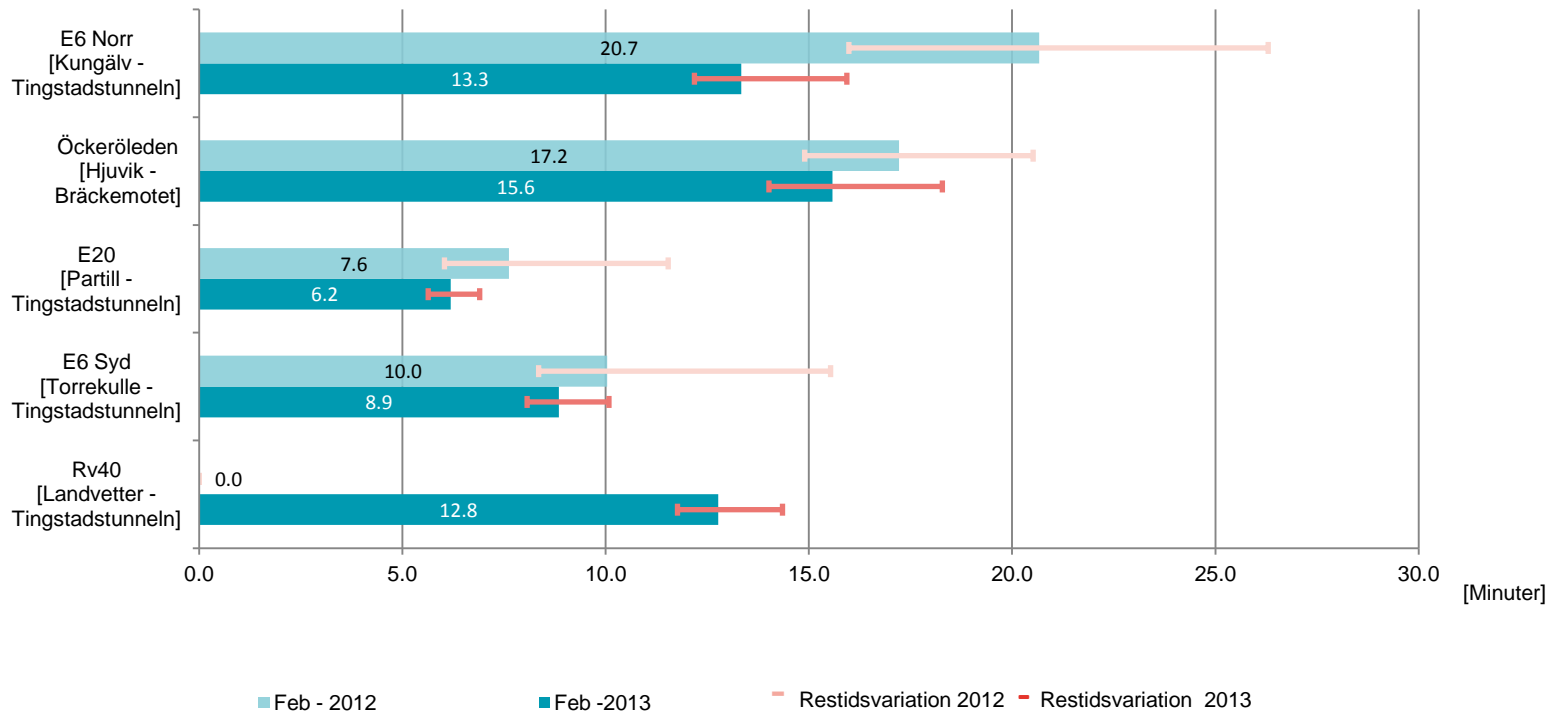
- National tax, copies ongoing scheme in Stockholm
- Cordon with 37 tollstations
- Automatic registration, free flow passage
- ANPR technology, prepared for DSRC
- Started Jan 1st 2013
- Workdays 06.00-18.30
- 1-2,5 \$ / passage
- Multi passage discount
- Yearly net revenue approx. 150 million \$



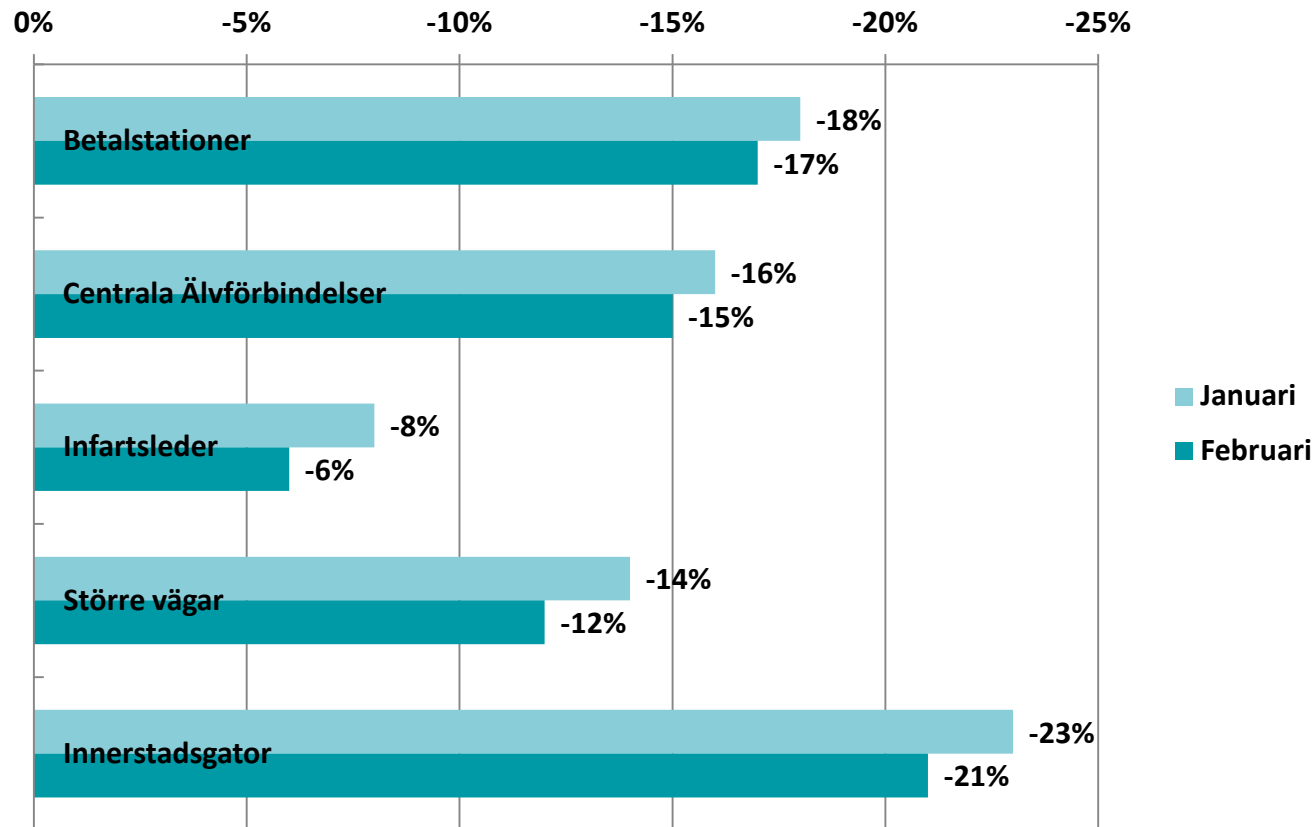


Journey time and uncertainty in journey time at major radial roads

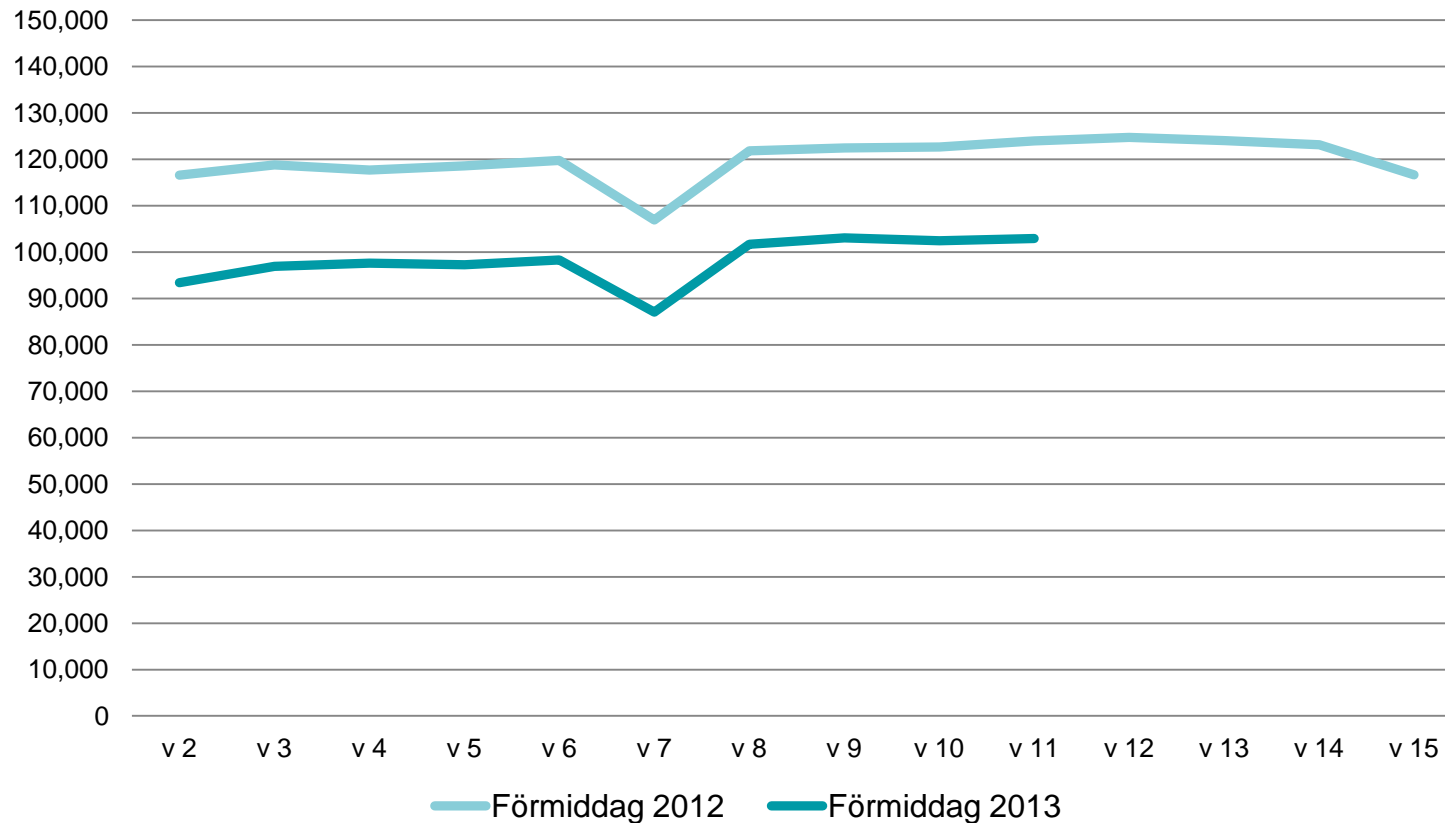
weekdays 06.30-08.30, february



Reduction in Traffic Flow Weekdays 06:30-08:30



Traffic flow at toll stations weekdays 06:30-08:30



Total investment cost 120 million \$

Revenue 150 million \$/year (2013)

Operation and maintenance
31 million\$/year





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Thank you for your attention!

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Public trust in institutions*

November 2012, % responding "tend to trust"



Source: European Commission

*Including the press, political parties, national government, the EU and UN

Getty Images