WELCOME!

Trafik Stockholm
We make the good journey possible

The Swedish Road Administration + The City of Stockholm = Trafik Stockholm
THE SWEDISH MODEL

- Cooperation
- Traffic Management
- Traffic Information
- Focus on Customer
- Quality Assurance

What do you need? We listen!
COOPERATION

• Owner/client: The Swedish Road Administration and the City of Stockholm
• Accident/emergency services: SOS Alarm, Police, Rescue Services
• Transport companies and Service providers
• Commercial drivers, road reporters and public
THIS IS STOCKHOLM

- Approximately 2 million inhabitants
- Rush-hour traffic 06.30-10.00, 15.00-18.30
- Congestion charges
A GROWING LABOUR MARKET
A STRAINED SITUATION

- Population growth
- Sensitive road network
- Major infrastructure projects
GOAL: EFFECTIVE TRAVEL/TRANSPORTATION

Better road safety
– fewer accidents

Better accessibility
– fewer traffic jams

Better environment – decreased emissions
CORRECT TRAFFIC INFORMATION
– every day, every minute

• Effective use of road system – transport mode, choice of route, time
• Smart travel choice, satisfied customers
Traffic Management Centre

Information TO
the Traffic Management Center

- Reports/phone calls from road users
- Technical road information from cameras, detectors etc.
- Contractors
- Road reporters/commercial drivers
- Road weather
- SOS Alarm
  Police
  Emergency services

Information FROM
the Traffic Management Center

- Traffic control
- Variable message signs
- Internet
  www.vv.se
  www.trafiken.nu
- Mobile services
- Navigation systems
  GPS/TMC
- Radio TV
We make the good journey possible
Input: TRAFFIC SITUATION

- Technical systems
- Weather reports
- Road works
- Road reporters /commercial drivers
- Passengers 020-290 290
- Contractors and local authorities
- SOS, Police, Rescue Services
QUALITY ASSURANCE, TAKING ACTION

• Interpreting/processing information
• Fault reporting
• Checking between SOS Alarm, Police, Rescue Services
• Directing service and maintenance (electricity, telecom, piping, air, pumps)
• Technical support in connection with design, construction, testing
TRAFFIC CONTROL

• Road directions, closures, etc.
• Data to Service Providers
• VägAssistans Project about 6500 times/year
• Checking between SOS Alarm, Police, Rescue Services
• Information to the media, website
Output

- Radio & TV
- Internet: trafiken.nu, vv.se/trafiklaget
- Traffic signs
- Mobile services
- Packaged information services – TMC, etc.

60% of all customers listen to the radio before they travel anywhere
SOUTHERN LINK

- 350 sensors
- 450 cameras
- 160 jet fans
- 5 pumping stations
- 45 traffic barriers
- 100 variable direction signs
ROAD ASSISTANCE

• Warn, protect, alarm
• Breakdowns, empty fuel tanks, traffic obstacles…
• 4 road assistance vehicles
• 24 hours a day
• 6 000 departures/year
REAL TIME TRAVEL TIMES

Real time data is collected from different sources:

- MCS-detectors
- ANPR cameras (Automatic Number Plate Recognition)
- GPS (from taxis for example)

These are fused into one database where travel time data can be retrieved and presented to the road users, either on VMS or on web pages. The data fusion is done based on the quality and the validity of the in-data.
SOME FIGURES

Phone calls in: 350 000 / year
Incidents: 3 550 / year
Accidents: 5 – 10 / day
Road Assistance (assignments): 6 000 / year
Cameras: 900 – 1 000 (increasing constantly)

MCS-detectors: appr. 1 500
MCS-stretch: appr. 60 km.
VMS (DRIP): 18 + (8) , 2 mobile
Barriers: appr. 100
VDS-signs: appr. 250
Tunnel system monitored: 5 (SL, NoL, Eugenia, Muskö & Klaratunneln.)
Vehicles moved: 6500 / year (VV &Sthlm stad)
Budget Trafik Stockholm: appr. $3 000 000 (SEK 25 000 000)
For better road safety
Report serious road obstructions
Phone: 020-290 290.
Thank you for your help!