Automatic speed enforcement in Nordic countries – today and future

Vision Zero for Sustainable Road Safety in the Baltic Sea Region, 2-3 December, Riga

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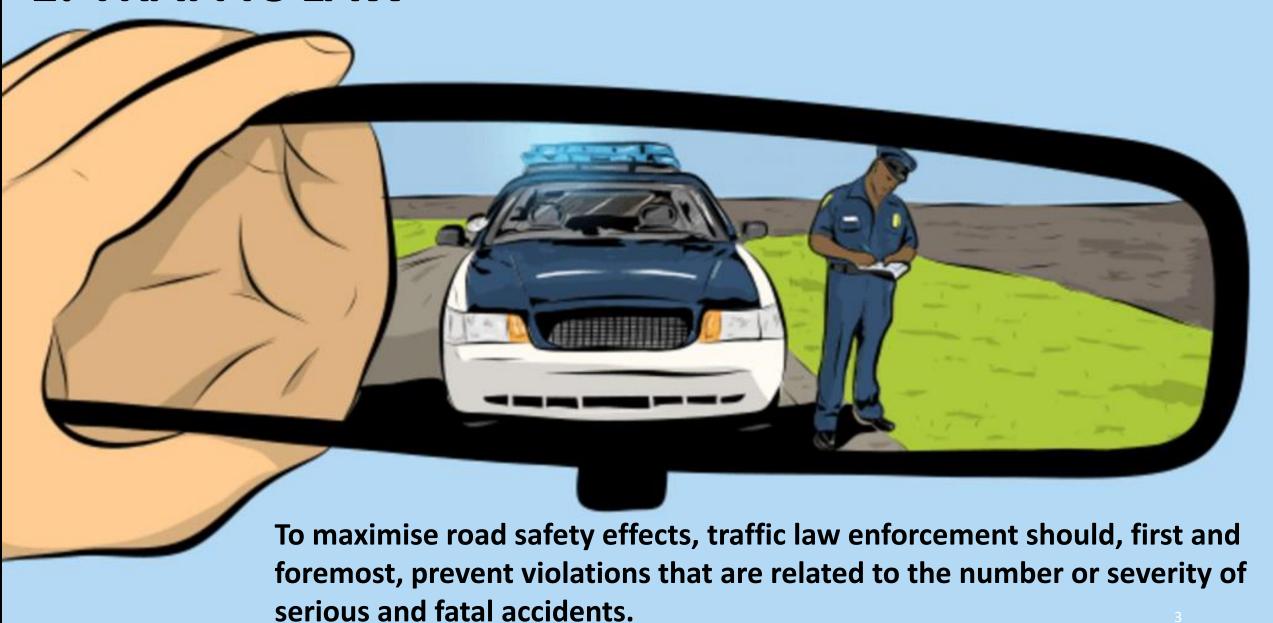
The workshop Automatic speed enforcement in Nordic countries - today and future, 3-4.4.2019, Helsinki, Finland

Many thanks to the speakers in workshop:

Heikki Ihalainen, National Police Board of Finland
Dennis Pasterstein, National Police Board of Finland
Eva Lundberg, Swedish Transport Administration
Maria Kleemo, Swedish Police
Bjørn Brændshøi, Norwegian Public Roads Administration
Karoline Lundholt, The Danish Road Directorate
Fanny Malin, Technical research centre of Finland LTD
Anna Vadeby, VTI, Sweden

http://www.nvfnorden.org/hemsida/utskott/nvf-workshop-om-automatisk-trafikkontrol-2019/

1. TRAFFIC LAW









SPEED CAMERAS (15.6.2019)

Fixed stations

Denmark

Norway

Sweden

973 (143 cameras)

23 (16 cameras)

271

1800

20

No 15

No

Mobile units Average speed control

82 No

26 No

No

Yes



Mobile versus fixed speed cameras?







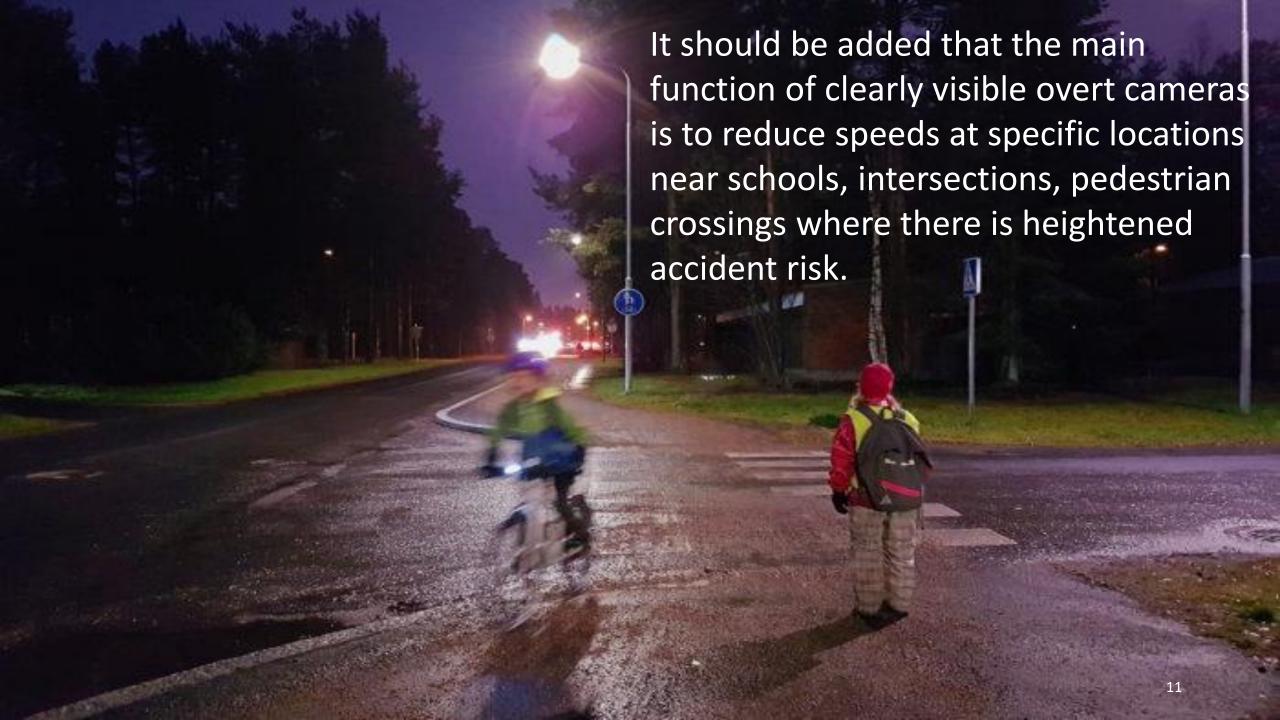
Yes, no hidden cameras

Yes, mobile units sometimes hidden

Visibility?

Yes, mobile units sometimes hidden

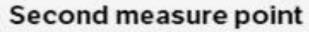
Yes, no hidden cameras.



Average speed control

Warning light

Flashes yellow if you have been speeding. Pictures of those that have been driving legally are automatically deleted.



A new picture is taken of all vehicles and average speed is calculated.

First measure point

Picture is taken of all vehicles.

Traffic sign that warns of section speed control.

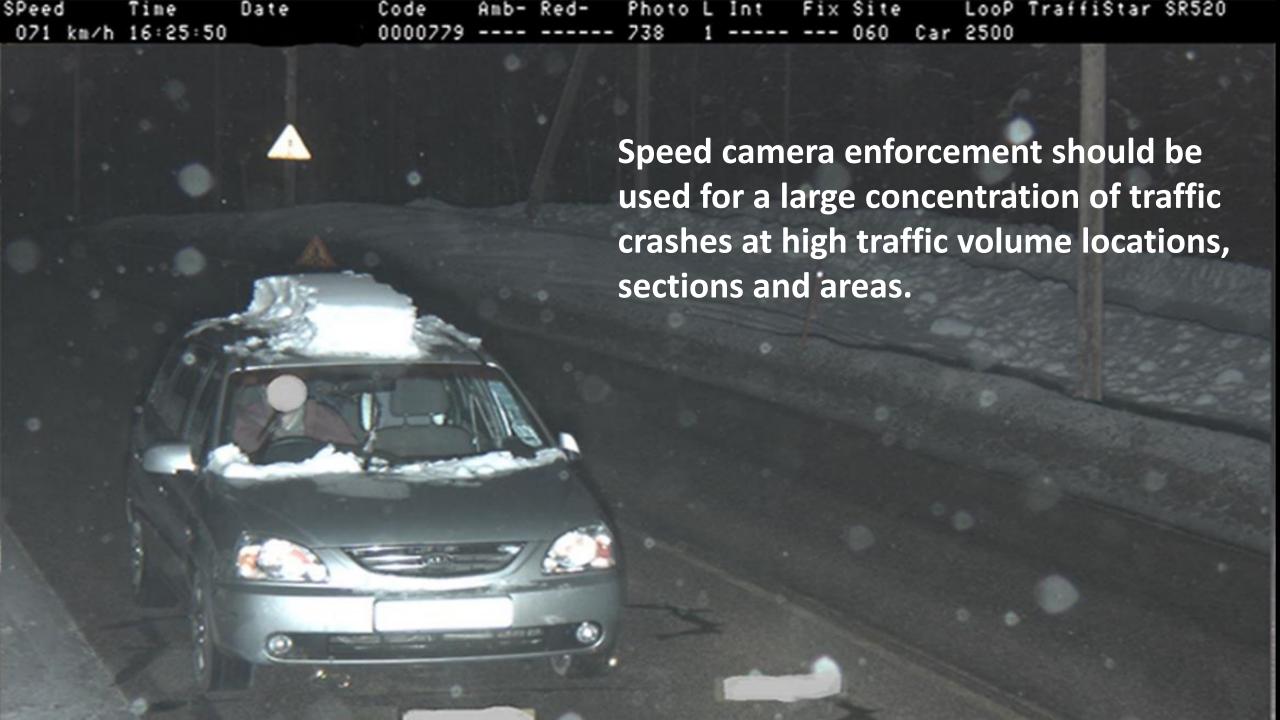
The distance between the camera points is at least 2 km.

Source: Bjørn Brændshøi

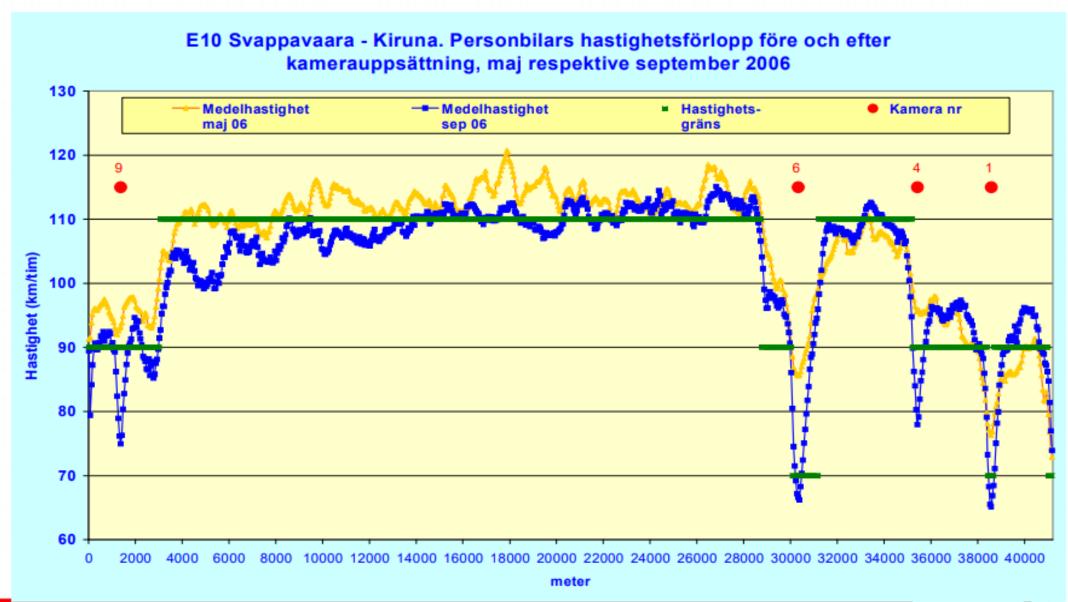
Norwegian Public Roads Administration







4. ADDITIONAL CONSIDERATIONS



Regression-to-the-mean

If she loves you more each and every day, by linear regression she hated you before you met.



"kangaroo effect"

(enforcement avoidance behavior)



5. MEASURES TO SUPPORT

SOLUTIONS FOR SAFER SPEEDS:







SAFE AND CREDIBLE SPEED LIMITS



SELF-EXPLAINING, SELF-ENFORCING ROADS



VEHICLES THAT HELP DRIVERS TO COMPLY WITH SPEED LIMITS



STRICTER LAWS



ROAD USER EDUCATION



FREQUENT TRAFFIC LAW ENFORCEMENT ACTIVITIES









Thank you for your attention



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