vti

Automatic crack measurement The Swedish Experience

Some prerequisite

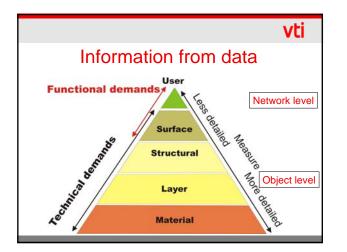
- » The Swedish Road Administration (SRA) outsource the collection of road condition data (procure)
- » Today the focus are on the main roads (due to budget restrictions)
- » The condition are divided into two views; Technical condition and Functional condition

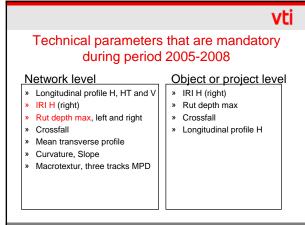
vti

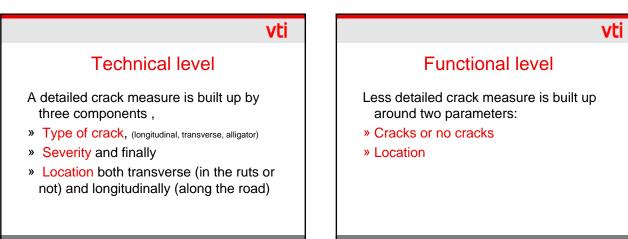
Automatic crack measurement The Swedish Experience

- » The use of the data (requirement)
- » Data =>technical parameter =>index
- » The necessary quality of data/ index
- » How to control data quality

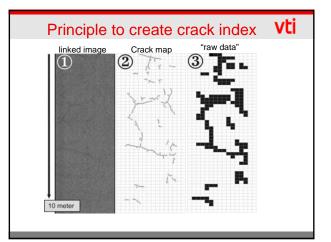
Vti Vti Goal The use of data Crack data, from the road network, with information equal that from manual surveys but repeatable > Technical condition: The condition that mainly affects the road keeper Functional condition; The condition that mainly affects the user of the road The condition that mainly affects the user of the road

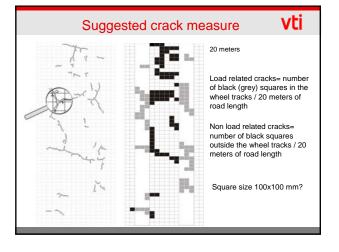


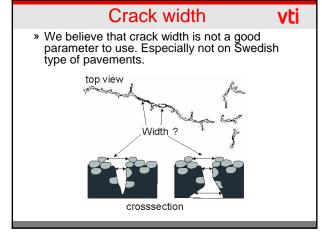












vti

Ideas of testing

Two parts; technical test, if ok go to => functional testing



Technical test

- » Control sections, 100 meter long
- » Digital still images each covering 1 meter longitudinal and 1-2 meter transversally => around 200 images per 100 meter
- » Applying a mesh with 100X100 mm squares and count squares with cracks inside.

vti

Functional test

- » Repeatability by comparing repeated runs in different speeds on network
- » Comparison of black and white squares

