



# TRAFIKVERKET

Kenneth Natanaelsson

Strategic planner

Swedish transport administration

# Objectives for High Capacity Transport

- Energy efficiency for freight transport
- Lower CO2 emissions per transported tonne km
- Reduced need for new infrastructure investments – free capacity
- Safety is improved by the use of the best technology and less exposure (fewer vehicles).



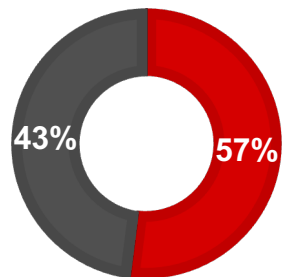


# BK4 – Status & Capacity

Goals according to National transport plan

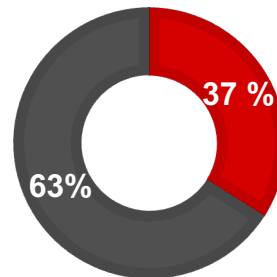
- 70-80 % of the most strategic roads for the industries should be open for BK4 at 2029
- 90 % of the most strategic roads for the industries should be open for BK4 at 2033
- Keep the same level for the bearing capacity all around the year for heavy vehicles – during periods of de-frosting

## STRATEGIC ROADS FOR HEAVY VEHICLES



■ Vägnät som är upplåtet för BK4

## STATE ROADS



■ Vägnät som är upplåtet för BK4



# Longer vehicles - Swedish road network

Rapport | Mars 2019

**Längre lastbilar på det svenska  
vägnätet – för mer hållbara transporter**



# Critical factors in the infrastructure

- Detour options (lane width, geometry, visibility)
- Intersections, roundabouts
- Narrow city passes
- Length of driveways, exits
- Access to terminals/harbours - "first & last mile access"
- Emergency parking, Rest areas
- Environmental protection (if also larger ADR-vehicles are allowed)
- *Maintenance levels (winter / summer)*



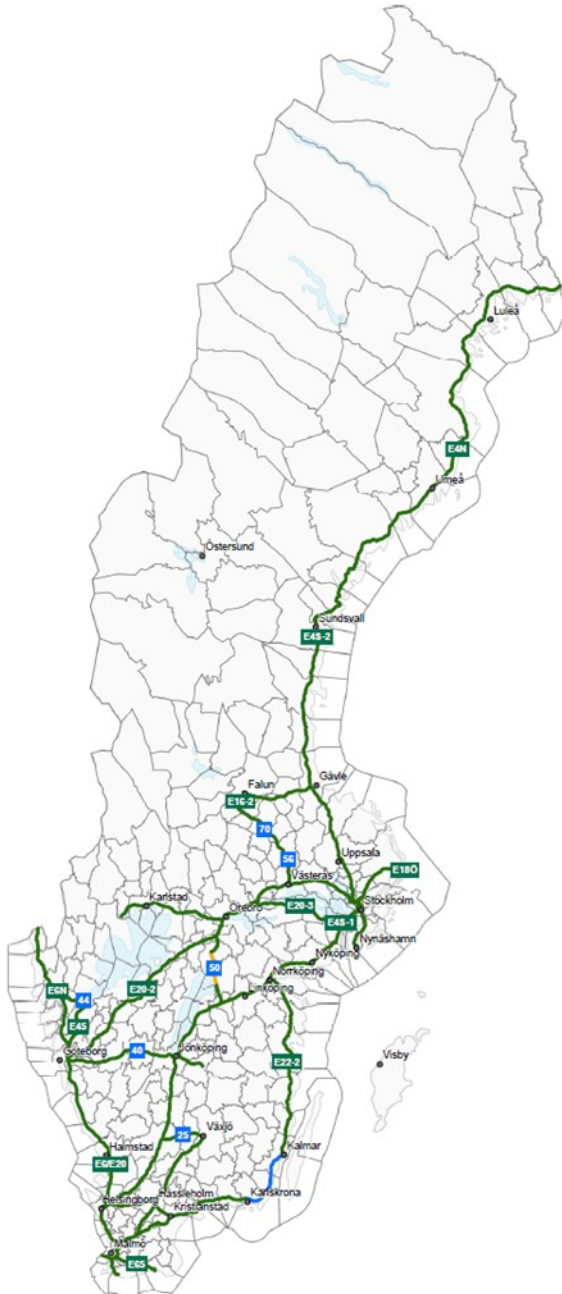
## VÄGAR - LÅNGA FORDON

Vägar aktuella att öppna upp  
för längre fordon

Datum: 2022-10-21  
Skala (A4): 1:6 000 000  
Konfidentialitetsnivå: 2 Intern  
0 0,05 0,1 0,15 0,2  
© Lantmäteriet, Geodatasamverkan

### Vägar att öppna

- Kan öppnas inom ett år
- Kräver mindre åtgärd för att kunna öppna
- Planeras byggas om



# Network for longer vehicles

## Road network that will be open 1 December

- 4 500 km major roads
- 1 400 km roads to terminals-industries- ports (LMA)
- Additional roads for other road administrators – municipalities and private
- LMA – over 500 points

## Effects

- The effects on the climate and the environment are positive
  - Overall 4-6 % less energy use
  - For each transport up to 30 % less energy use
- Positive effect on traffic safety
- Socio- economically very profitable proposal

# Process to open the roads for longer vehicles



New regulation  
31/8 - 2023

Transport agency –  
requirements on  
vehicles

Transport  
administration  
open road network