



TRAFIKVERKET

Requirements for 34,5 m roads in Sweden

CLOSER

Nordic HCT Conference 2023

Gothenburg 2023-10-11

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Requirements on roads based on long vehicles

The road network was divided into categories based on characteristics

- Motorways in rural areas
- Meeting-free roads
- National highways and major county roads
- Other regional roads
- Connection to terminals etc.



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 km
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Vägar att öppna

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

Criteria and road design for Highways in rural areas

For traffic along motorways the following needs to be taken into account.

- Rest facilities and rest areas
- Police checkpoints
- Environmental protection, such as water protection areas, guardrails
- Traffic locations' ramp connections to the secondary road network



Criteria and road design for meeting-free roads

For normal MVL the following needs to be taken into account.

- *Rest facilities and rest areas*
- *Police checkpoints*
- *Environmental protection*
- Places for emergency stop
- Intersections, incl. circulation areas
- Walking and cycling traffic
- Overtaking (2-lane part)



Criteria and road design for other major country roads (national roads and major county roads)

The standard can vary a lot, but generally the following should be considered:

- *Rest facilities and rest areas*
- *Environmental protection*
- *Intersections, incl. circulation areas*
- *Walking and cycling traffic*
- *Overtaking (Vertical geometry/ visibility requirements)*
- *Roads through urban areas*
- *Police checkpoints*
- *Places for emergency stop*



Criteria and road design, other studied occurrences

Shoulder

Pedestrian and bicycle traffic must be separated longitudinally on their own lane or local road network.

In the case of very low pedestrian and bicycle flows, roadway separation with a shoulder width of at least 0.75 meters.

Lane width

Lane width must be at least 3.5 metres.

In the normal case for our state two-lane roads, pedestrian and bicycle traffic is permitted and this requires a minimum carriageway width of 8.5 meters including the road whose width is at least 0.75 meters.



Criteria and road design, other studied occurrences

Queue and space for longer vehicles

Special lanes for queuing must accommodate at least one 34.5 meter long vehicle.

This refers, for example, to left-turn lanes, which today are normally at least 30 metres, and queue magazines in connection with level crossings.

Intersections

Intersections must be trafficable with the highest space class with current vehicle types.



Figur 5. E45 Änimskog-Ämål. Refug vid vkf.

Criteria and road design for connection roads

- The connecting road should be a maximum of 10 km from the designated road network
- For two-lane road with separate walking and cycling traffic
 - minimum total lane width, 7.0m
- For two-lane roads with mixed traffic, the following applies;
 - 80 km/h – Minimum total lane width, 8.5m
 - 60/70 km/h – Minimum total lane width, 8.0m
 - 40/50 km/h – Minimum total lane width, 7.0m



Thanks!