



Overtaking – Norway

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Which model for the overtaking sight distance exist?

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B- []w]			020	
BI	Beskrivelse			
A P	Det aktive kjøretøyet, dvs bilen som Det passive kjøretøyet, dvs bilen sor		gen	
Mi	Det første av to møtnde kjøretøy			
MZ	Det andre av to møtende kjøretøy			

Rural Roads Design Meeting, Copenhagen





Overtaking sight distances used:

450 m at 80 km/h 550 m at 90 km/h





Amount of distances with overtaking sight Statens vegvesen

National main roads, speed limit 80 and 90 km/h:

AADT	Distances with overtaking sight
< 4 000	At least 2 overtaking possibilities per 10 km
4 000 - 6 000	At least 1 overtaking lane per 10 km
6 000 - 8 000	At least 1 overtaking lane per 10 km
8 000 - 12 000	At least 2 overtaking lanes per 10 km

Other main roads, speed limit 80 km/h:

AADT	Distances with overtaking sight
< 1 500	At least 1 overtaking possibilities per 10 km
1 500 - 4 000	At least 1 overtaking possibilities per 10 km





Road markings and overtaking rural roads

 Lane Line - Overtaking allowed, sight distance > 2 times stop sight



• Warning line - Overtaking allowed

Prohibitory line - Overtaking not allowed, not necessary to use signs

3.-4. april 2014





Revision of the marking rules

• Use of lane line today:

Speed Limit	Minimum sight length
(km/h)	to mark lane line (m)
70	170
80	220
90	280

• New proposal (not passed yet):

Speed limit	Minimum sight length
(km/h)	to mark lane line (m)
70	230
80	280
90	330

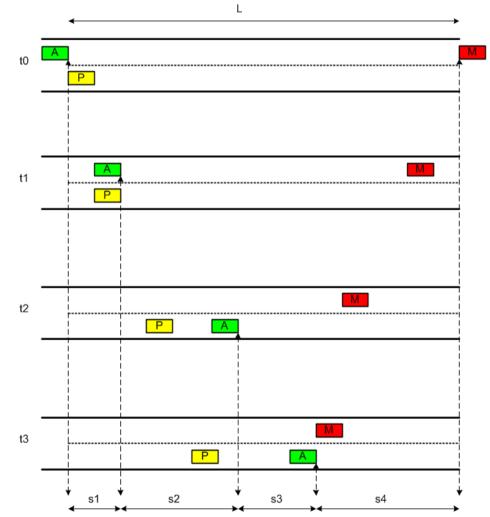
New proposal is based on an overtaking model





Overtaking model - use of lane line

- t0 the active vehicle (green) has reached the back end of the passive vehicle (yellow)
- t1 the active and the passive vehicle are side by side
- t2 the active vehicle has reached the right lane and have time distance of 1,5 s to the passive vehicle
- t3 the active vehicle has met the meeting vehicle (red). t3-t2 is a safety time (1,5 s)
- L = s1+s2+s3+s4 is the minimum sight distance to mark a lane line







 Mostly used in connection with intersections or other places where overtaking is forbidden



