Green waves for cyclists in Copenhagen Nicolai Ryding Hoegh - City of Copenhagen



Denmark - Copenhagen





City of Copenhagen The Technical and Environmental Administration Traffic Department

Traffic crossing daily (6 am - 6 pm)



Traffic crossing the city limit:

- 540,000 cars
- 63,000 cyclists
- 1 cyclist pr. 10 cars



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Traffic crossing daily (6 am - 6 pm)



Traffic crossing the city limit:

- 540,000 cars
- 63,000 cyclists
- 1 cyclist pr. 10 cars

Traffic crossing the inner city limit:

- 310,000 cars
- 180,000 cyclists
- 1 cyclist pr. 2 cars

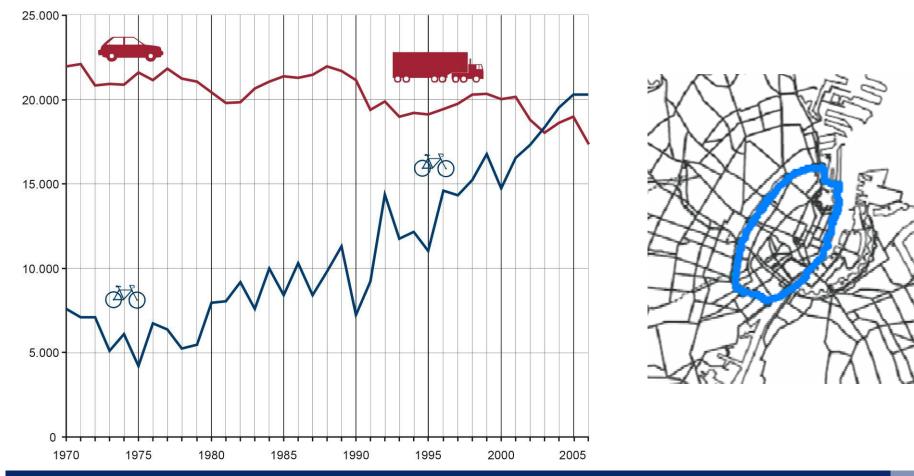


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Traffic, inner city (morning peak)





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Copenhagen Cycle Policy

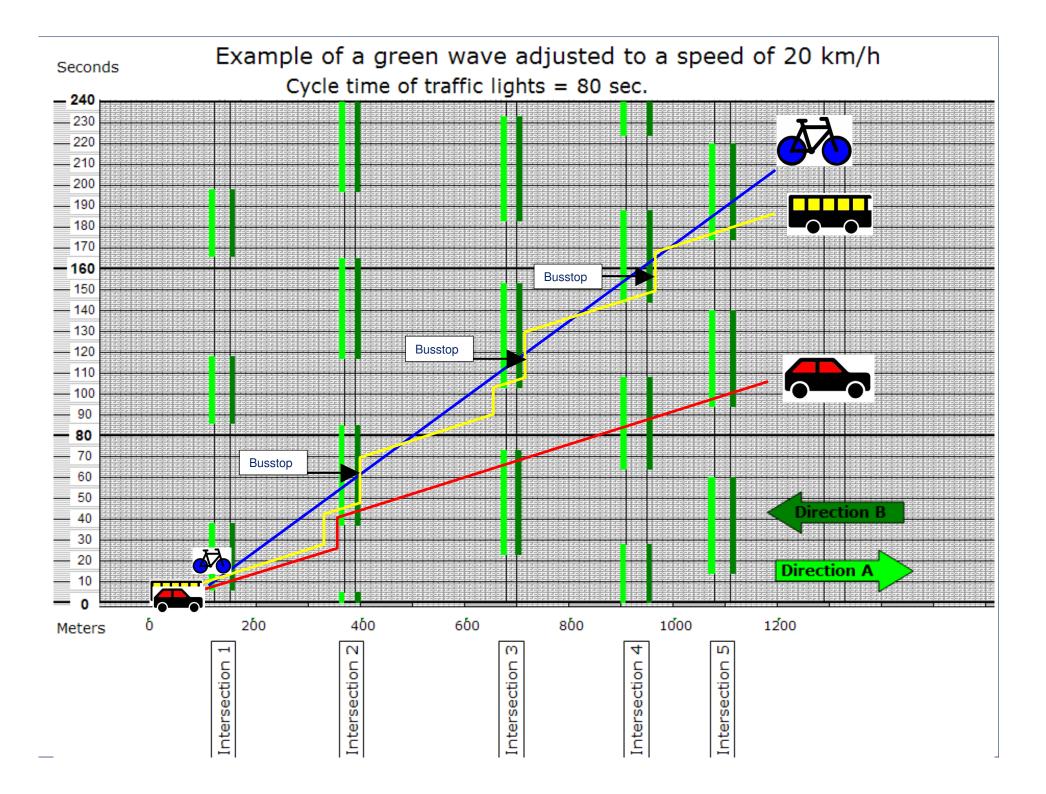


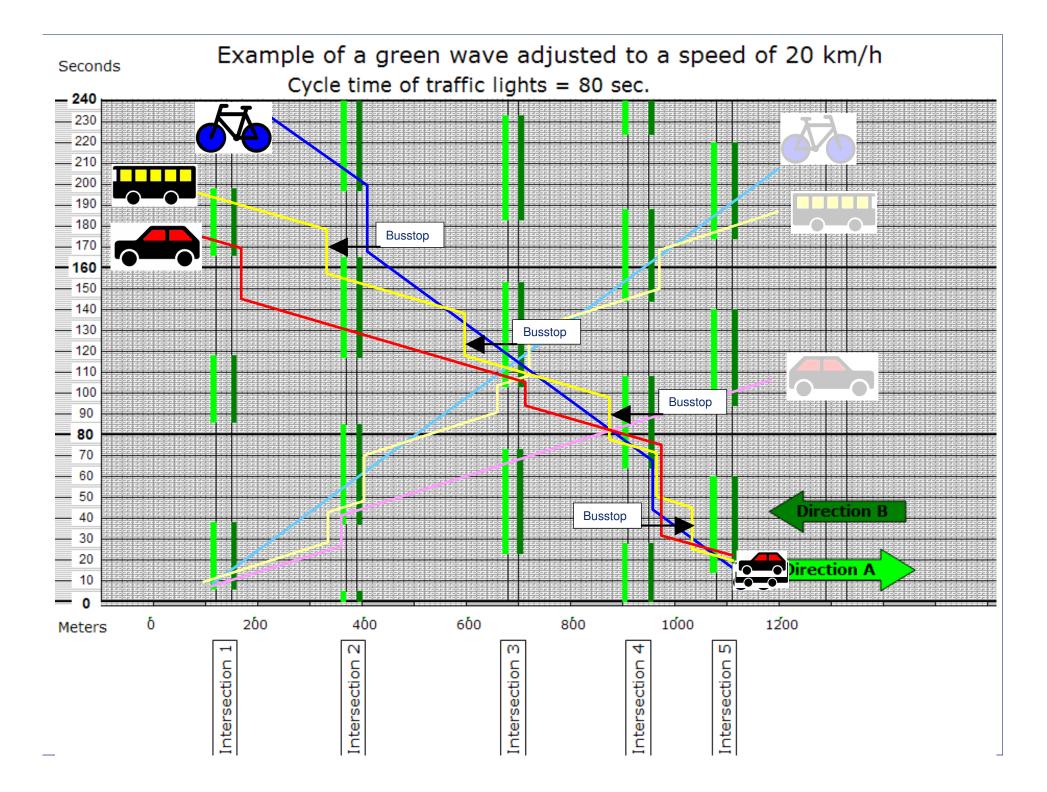
"Cycling speed on trips of over 5 km to increase by 10%"

Target figure, Cycle policy 2002 - 2012



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Norrebrogade - facts





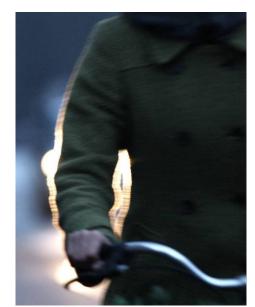
Green wave on Norrebrogade

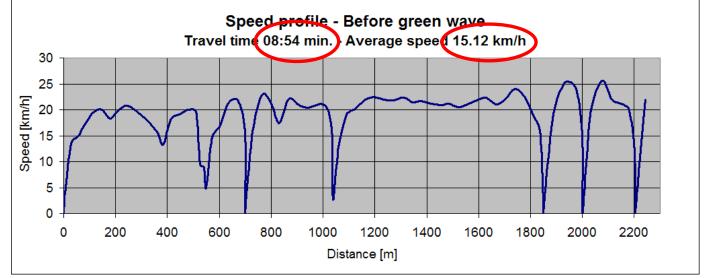
- Green wave adjusted to a cyclist's speed of 20 km/h
- 6:30 am to 12 green wave adjusted to cyclist towards city centre
- 12 to 6 pm green wave adjusted to cyclist from city centre

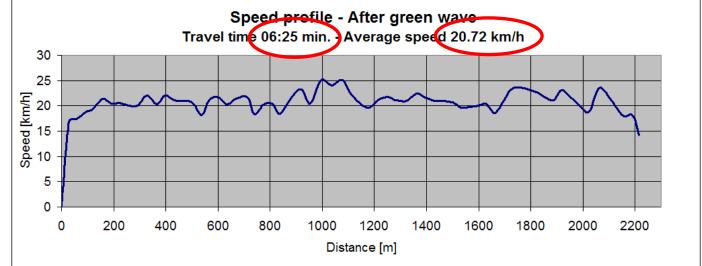


Results - bicycles (to centre, morning)

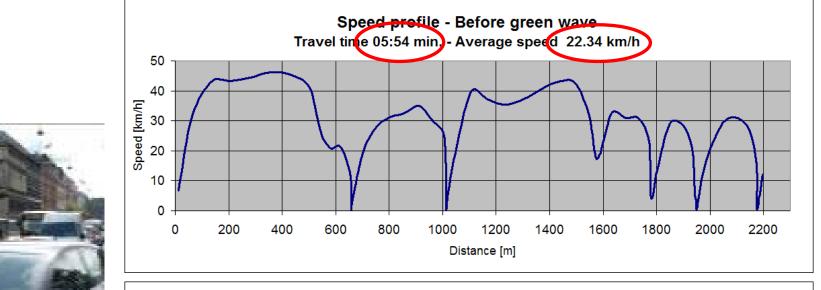


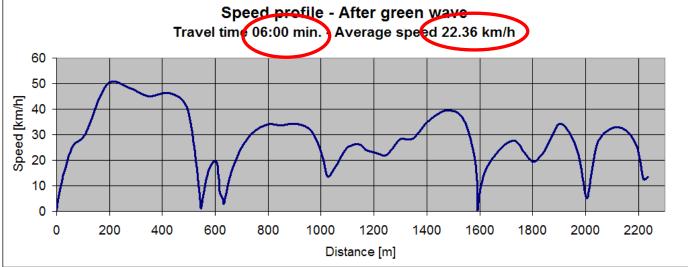






Results - cars (to centre, morning)







Results in general - bicycles



	Save	d stops	Saved min./sec.
To centre in the morning Green way	<mark>/e</mark>	6	2:29
From centre in the morning		1	0:35
From centre in the afternoon Green way	<mark>e</mark>	3	1:13
To centre in the afternoon		0	0:36



Results in general - cars



	Saved stops	Saved min./sec.
To centre in the morning Green w	ave 1	0
From centre in the morning	1	0:30
From centre in the afternoon Green w	ave 1	0:48
To centre in the afternoon	0	0:30



Results in general - buses



	Before	After	Results
To centre in the morning Green wave	8:52	8:56	+ 4 sec
From centre in the morning	6:27	6:54	+ 27 sec
From centre in the afternoon Green wave	11:59	11:46	- 13 sec
To centre in the afternoon	5:55	6:45	+ 50 sec



Obstacles





Congestion on cycle track

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Future



Farimagsgade - 4 traffic lights

Planning 2 more green waves:

- Torvegade 4 traffic lights
- Osterbrogade 3/7 traffic lights



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Questions



