Mobility management during infrastructure construction

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Today

• What is mobility management during infrastructure construction?
• Our tools
  – Requirements
  – Monitoring
  – Measures
• Successful examples
• Discussions
Mobility Management during infrastructure construction

• It is about ensuring/prioritizing the accessibility, comfort and traffic safety for pedestrians, cyclists and public transportation during the infrastructure constructions to reach our vision “Everybody arrives smoothly, in a green and safe way.” (even during infrastructure construction).

• Surface-effective measures

• Construction phase as potential for mobility shift

• Positive effects that last
Hard and soft measures in combination

Mobility management in construction phase also include hard measures

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<th>Change behaviour</th>
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Our tools

• Better **requirements** to reach a good enough accessibility, availability and safety for pedestrians, cyclists and public transport when we build.

• Better **monitoring of the requirements and goals**
  – In the usual monitoring systems
  – By reference users group

• Mobility management **measures** implemented during the infrastructure construction
  – Changing the attitudes in the constructing sector
    A 2 hour training for our building contractors – accessibility for pedestrians, cycle and public transport in constructions phase
  – Dialog with households
  – Testing electric bicycle
  – Business communicator and advisor
Reference users group

- 2 months pilot – winter 2017
- 10 bicycle commuters, through the construction project area
- 12 comments came in, 8 about the project, 6 were corrected
- Feed-back every 3 weeks per mail
- Cyclists and the project very satisfied
A 2 hour training for our building contractors

- Changing the **attitudes** in the constructing sector about the accessibility for pedestrians, cycle and public transport during infrastructure construction
  - Project specific
  - Lift the importance of maintaining/ensure/prioritising accessibility for pedestrians, bicycle and public transport
  - Lift that the building contractor has a key role

Link to film: [https://www.youtube.com/watch?v=Q5WGKRlIXKY&feature=youtu.be](https://www.youtube.com/watch?v=Q5WGKRlIXKY&feature=youtu.be)
Dialog with households

- 2016-2018
- 11,000 car commuters in Gothenburg
- Ask about their travel behaviour and inform about alternatives
- 53% consider alternative travel behaviour to some extent
- 1,600 were called one year after. Respondents commute by car alone 3.6 days, instead of 4.3 days per week when they were asked a year earlier.
- 10% reduction because of the dialog with households measure.
Test electric cyclist

- Autumn 2016 and spring 2017
- 200+200 e-bikes for car commuters during 13 weeks
- CO2 emissions from 30 tons to 20 tons during one test period
- 7% cycled before test period
- 73% during
- 50% 6 months after
Business communicator and advising

• Business communicator in Gothenburg
  – 3 years, 500 meetings, 6000 people, reached to 260 000 workers
  – West Swedish Agreement, 3,3 billions euros, investment in infrastructure, large impact on traffic during infrastructure constructions, -20% of car traffic in rushing hours.

• 5 businesses next to Gothenburg central station, 3000 employees

• Target: decrease car traffic 7-8 in the morning by 15%, =250 cars on each direction.

• Travel habits survey, collaboration about mobility management measures => decrease 1192 car trips/23% of the traffic per week.
Successful implemented examples

Road 155 - Gothenburg

- Mobility management including extra bus lanes, new bus route, extra commuter parking.
- Results: traffic volumes reduced by 12% during peak hour in construction phase, while the share of public transport increased

E18 Hjulsta-Kista – Stockholm

- Mobility management including event with business, test cyclists, new bicycle paths and routes with improved information and improved winter maintenance etc.
- Results: 32 % reduction of car traffic in the morning peak hour and increased share of public transport and cycling
Discussions

• Mobility management in infrastructure construction as a tool to decrease CO2 emissions
  – Status in other countries?
  – Funding issue
    • Decision April 2018

• Organisation development
  – From being employed in the Gothenburg/the West Swedish Agreement to specialist
  – From mobility management in infrastructure construction to traffic during construction phase?
  – Status in other countries?
Thank you for your attention!