

Closing Seminar 14-15 May, 2012 Malmö



KTH Structural Engineering & Bridges Research within the area of LCC and LCA

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- Guangli Du, Tech lic. LCA. She will present her research this afternoon
- Mohammed Safi "Safi", Tech lic. He will present his research this afternoon
- Jonas Wennström, he was not able to come to-day so I will shortly present his research



LCC aspects on infrastructure investments

Jonas Wennström The Swedish National Road and Transport Research Institute and KTH

Håkan Sundquist



The project is very broad

I hope that this project can serve as liaison between different kind of LCC schemes

Håkan Sundquist

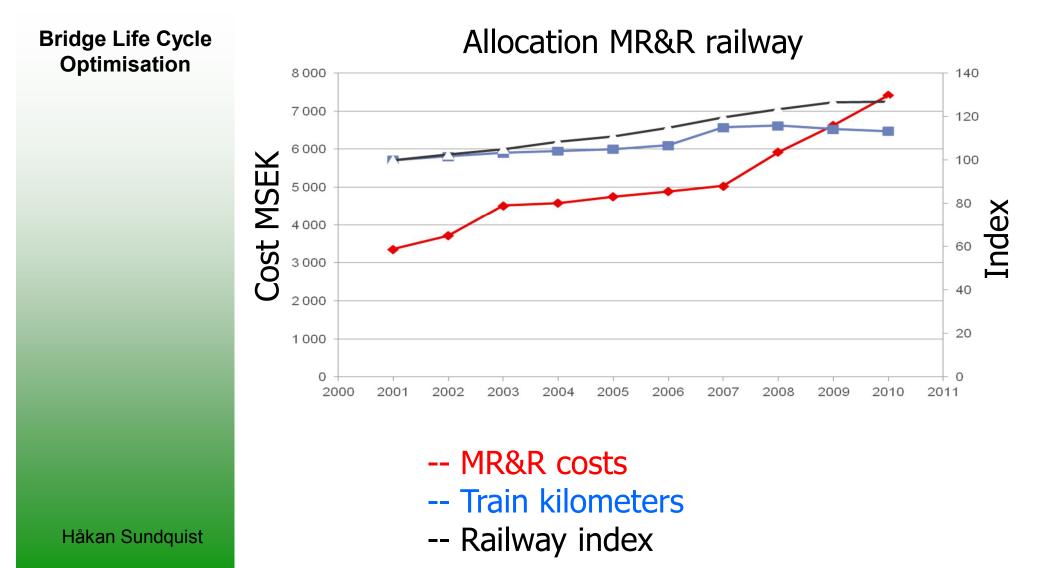


The three levels

- LCC for a country or county
- LCC for choosing the best road or railway from A to B
- LCC for individual items i.e. a bridge or even an element i.e. an edge beam



Allocation for railway infrastructure Sweden





It is obvious that the more that is built

- The less in percentage we will be new-built in the future
- The more will the cost for MR&R increase in the future
- The relation between investment and MR&R will change over time
- Thus increasing the percentage MR&R in relation to new construction
- A part of the research will focus on these issues based statistical "research"



Comparing different systems used for LCC

- Comparing different LCC methodologies for these three different levels
- Comparing different LCC methodologies for different things like
 - Roads
 - Railways
 - Bridges
 - Tunnels
 - Etc.



Licentiate is planned for May 2013 PhD is planned for 2015

This will thus hopefully be our 4th PhD within the area of LCC/LCA

Håkan Sundquist