



Bridge Life Cycle Optimisation

Closing Seminar
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Malmö

Implementation of ETSI Tools in Finland

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Bridge Life Cycle Optimisation





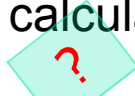


- Declare a vision: In choosing a bridge alternative, we are going to apply the life cycle effects
- A life cycle plan (maintenance plan) is included into bridge plan.
- We are going to move from comparing investment costs into comparing life cycle cost. Tools and methods are refined in pilot projects
- We are looking for the best way to use life cycle assessment in comparing alternatives. Different approaches are tried out in pilot projects
- Best methods and politics in calculating and valuing traffic disturbance are worked out
- Aesthetic tool is tried out in some outstanding bridge sites.
- Nordic co-operation is maintained in developing and maintaining the methods, databases and tools
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Bridge Life Cycle Optimisation

- May be adopted in projecting
- More cost analyze is needed prior to adopting into procurement
- Possibilities for pilot projects are to be settled



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OK*

= According to pilot projects

Bridge Life Cycle Optimisation

- Finalize the specifications for projecting 2012
- Finalize the data base, possible refinement of tools 2012
- Test projects winter 2012..2013
- Standard method end of 2013
- Piloting applications 2013..2014
- Decision about applications and future development 2014 ->

Bridge Life Cycle Optimisation

- Applications on existing bridges
- Setting value to safety issues
- Joining bridges to other road and rail structures in life cycle calculations
- Evaluating and pricing traffic disturbance
- Judging the unforeseen solutions in procurement



Bridge Life Cycle Optimisation

- ETSI network (present road authority members) to maintain tools and database + start new projects
- New NordFoU projects, 2014?
- Real life Applications?
 - Yes -> ETSI flourishes and develops
 - No -> end of maintenance, just an other book on the shelf

