Master Thesis Proposal:

Re-evaluation of Y1504 bridge collapse

If interested contact to:

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- Collapse occurred in 2002, during construction over Gide Älv
- Bridge was simply supported, 65m Length, 7m Width,
  With steel-concrete trapezoidal composite cross section
- Corrugated metal deck formworks were at the same time designated to act as stabilizing element for the box girder during construction

A. The following documents and information will be given to the student:
- Drawings and details of bridge (in Swedish)
- Basic information provided from consultant and construction companies(in Swedish)
- Individual reports of collapse investigations by four exerts (in Swedish)
- Final report by another expert (in Swedish)
- State of the art and literature search for the topic (in English)

B. The preliminary research Plan:
- A comprehensive report (in English) including:
  i) the technical data of the bridge (from A)
  ii) current relative scientific knowledge (from A+databases)
  iii) evaluation of the report of experts (from A) and
     comparing them with current knowledge from bracing perspective
  iv) FEM modeling of the bridge (just under construction load (steel+ wet concrete)),
  v) results and discussions