The Swedish procurement strategy

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- Background
- Project
- Review
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Public procurement of railway maintenance

- Competitive market since 2002
- Railway maintenance is neglected
- Lack of research
- Changed procurement strategies
Public procurement of railway maintenance

Purpose
How changed procurement policies has altered railway maintenance procurement and control practices.

Goal
Develop a model to guide the selection of appropriate type of procurement, contract and control for railway maintenance.
Public procurement of railway maintenance

- Phase 1
  - Literature review
- Phase 2
  - Regression analysis of multiple databases
- Phase 3
  - Interview sessions based on Phase 1 and 2
Procurement strategies

- Spring 2016 – Fall 2018
- 5 project members
  - Jens Aldenlöv, LTU
  - Bjarne Bergquist, LTU
  - Per-Erik Eriksson, LTU
  - Peter Söderholm, Trafikverket
  - Tina Karrbom Gustavsson, KTH
- Government commission
Key words
- Maintenance AND (infrastructure OR Subway OR Metro OR Tram OR Rail) AND (Procurement OR Contract OR Bidding OR Tendering) AND NOT (Sewer OR Water OR Air OR Pavement OR Defense OR Military)

Subjects
- Engineering, business, environmental, decision, Economics, multidisciplinary

Hits: 109
- After abstract review: 20
Synchronized template
  * 5 articles

3-4 articles per reviewer
  * Interesting references included

Total reviewed: 25

Total relevant: 16
The articles

* Most are from Sweden
  * Other countries are: Portugal, UK, Hong-Kong
* Most are published in 2004-2006 (6)
* Top journal are ”Journal of construction engineering and management” & “Journal of Quality in Maintenance Engineering” (3)
Findings

- Partnering is key to success
  - Common goals
  - Synchronized strategies
  - Honest communication
- Contract and payment plans
  - Risk management
  - Performance-based incentives
Conclusion & Remarks

* Increase communication through partnering
  * Empirical evidence
  * Design payment after risk

* Few articles
* Lack of research


References


