

Basis

Inspection history, maintenance history, BoQs, quality of data



Assessment

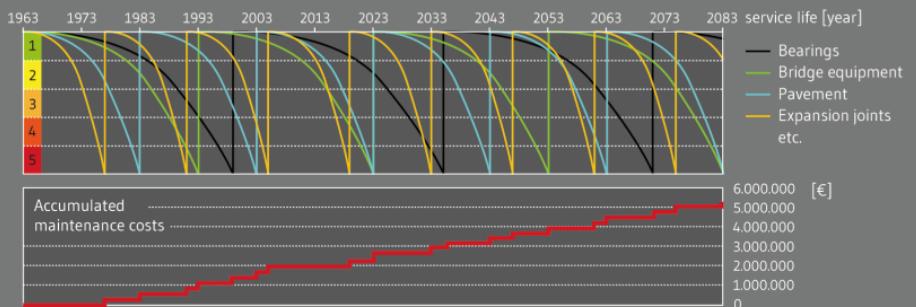
Visual Inspection Indicator
» Surveillance
» Checking
» Inspection of structures

Loading Indicator
» Design (underlying code)
» Load modeling
» FE-simulation
» Traffic progression

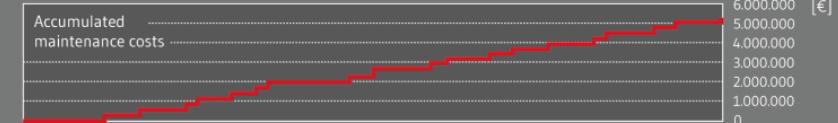
Monitoring Indicator
» Dynamic measurements
» Material testing
» Other field tests
» BRIMOS® database

Condition Index

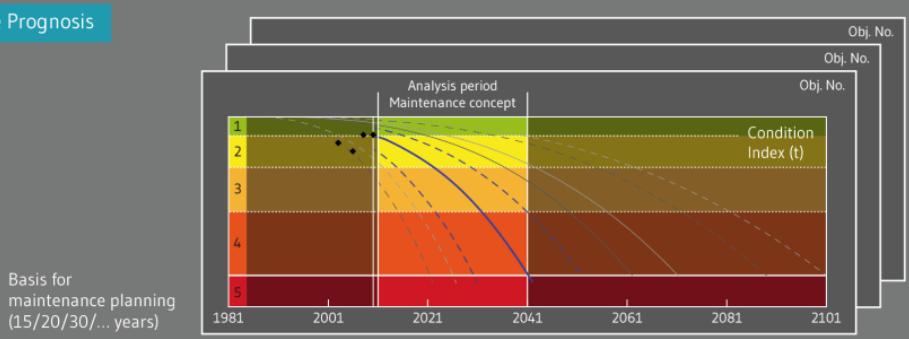
Ageing Model



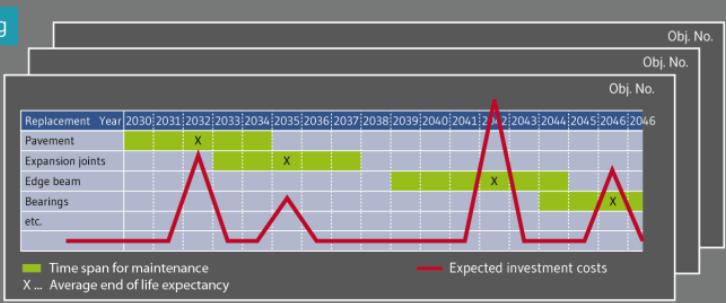
Cost Model



Life Cycle Prognosis



Maintenance Planning



Optimisation – Network Level

- » Construction sections
- » Cross-asset aspects
- » Structural condition requirements initial/in operation/handover
- » Minimisation of costs
- » Maximisation of availability
- » Statistical scatter
- » Environmental costs