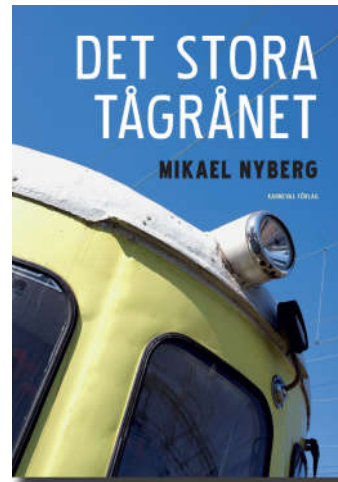


THE SWEDISH MODEL



A photograph of a snowy railway station. In the foreground, a red and white electric locomotive with the number 1332 is pulling a train. The locomotive has the SJ logo on its front. The train is on tracks covered in snow. In the background, there are other trains, overhead power lines, and a building. A large clock is visible on the left side of the image. The sky is overcast.

Railways require coordination and planning

The chaos of the market

Private monopolies

Public monopolies

A photograph of a snowy railway station. In the foreground, a red and grey electric locomotive with the number 1332 is pulling a train. The ground is covered in snow, and there are snow-covered buildings in the background. A large clock is visible on the left side of the image. The sky is overcast.

Railways require coordination and planning

Private monopolies

The chaos of the market

Public monopolies



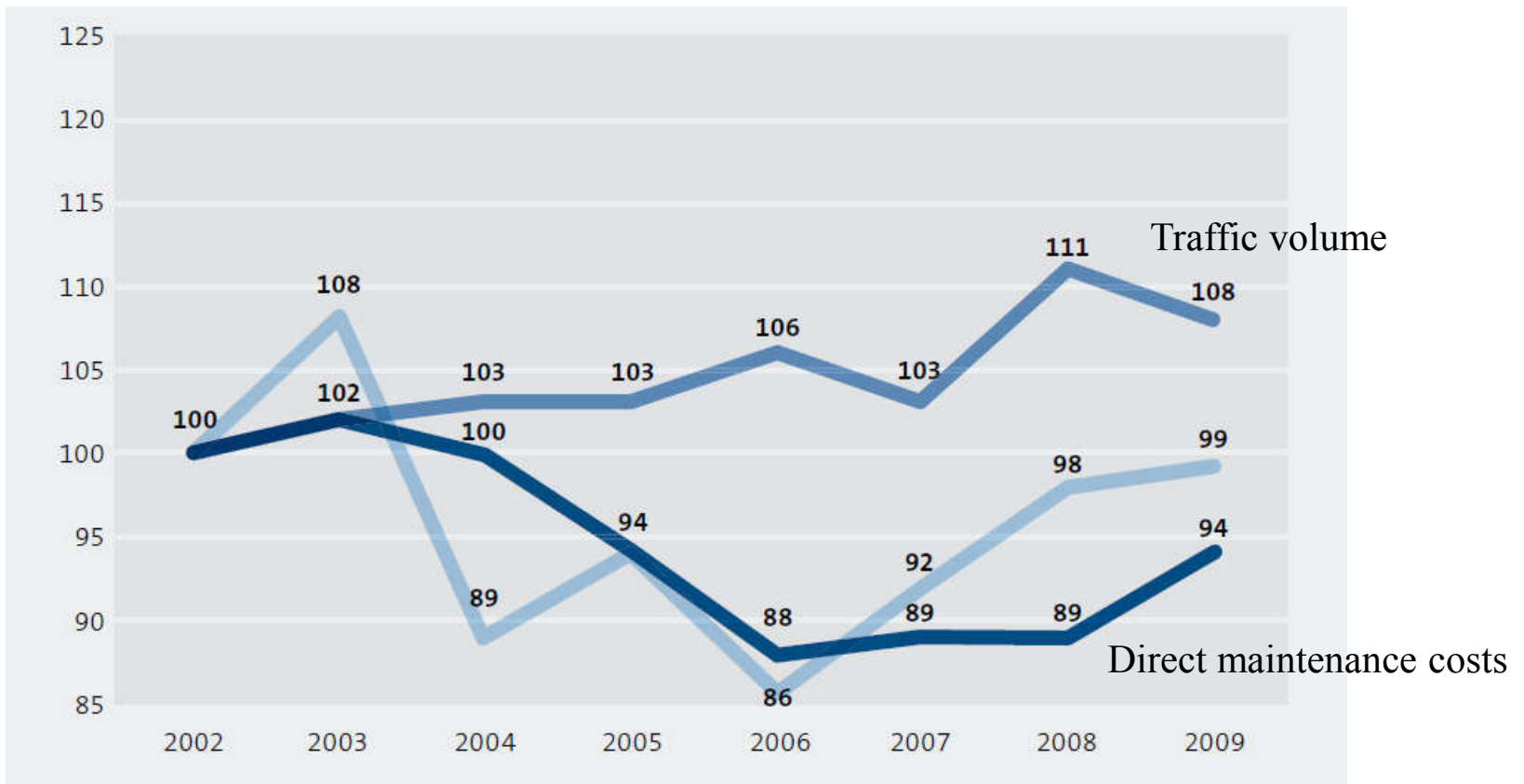
Snowplowing locomotives

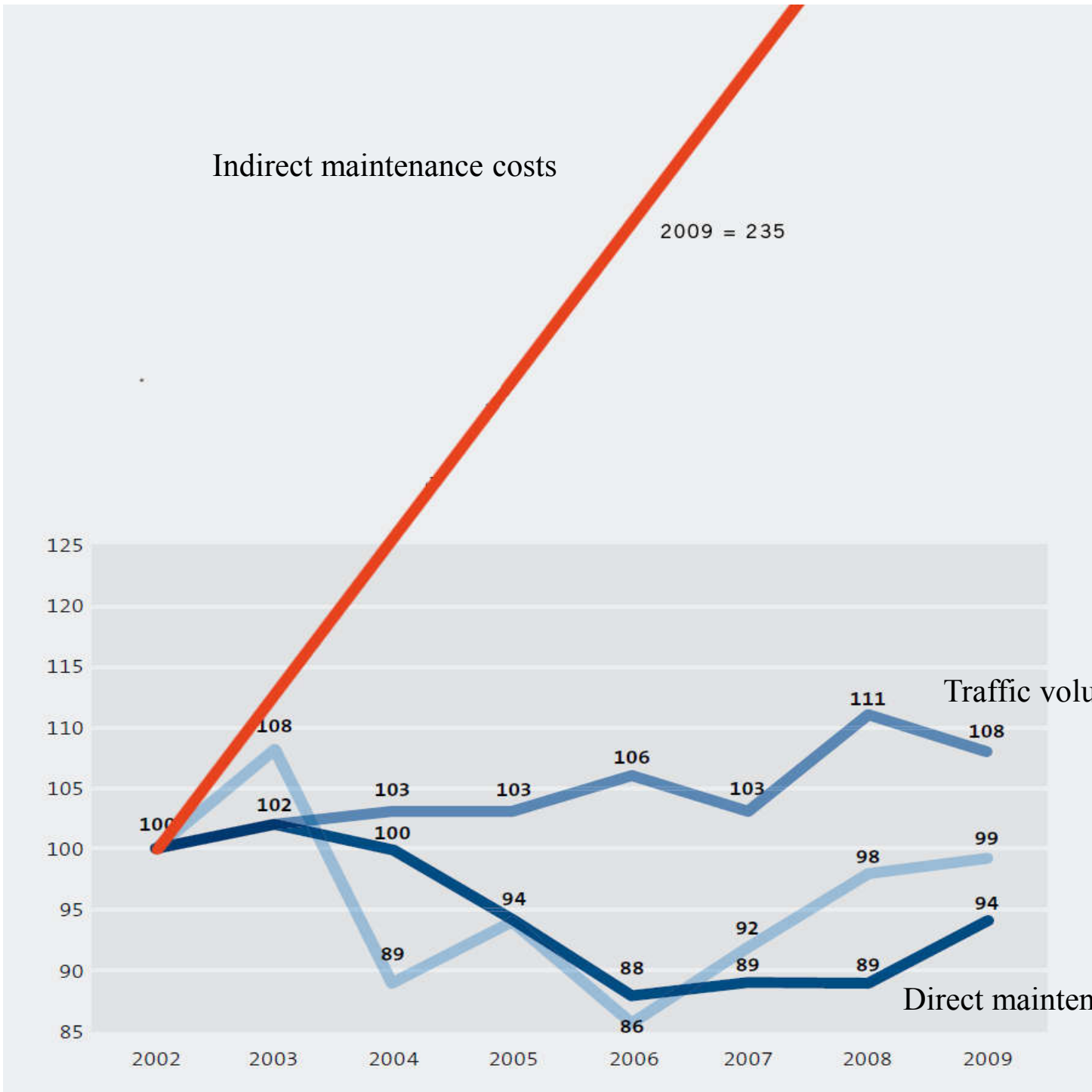
1965 30

2011 10

Growth of traffic volume and costs

Index 2002 = 100 Banverket: Årsrapport 2009





Indirect maintenance costs

2009 = 235

Traffic volume

Direct maintenance costs

”En betydande och ökande del av de totala resurserna för underhåll och reinvesteringar går till indirekta drifts- och underhållskostnader, till exempel underhållsstyrning, telekommunikation, elnät, och interaktion med operatörer.”

Trafikverket: Situationen i det svenska järnvägsnätet (2011).

Indirect maintenance costs

”A substantial and increasing part”:

- ”management of maintenance”
- ”interaction with operators”

Trafikverket: Situationen i det svenska järnvägsnätet (2011).



DET STORA TÅGRÅNET

MIKAEL NYBERG

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