

SURE BRIDGE
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**Maintenance of
existing bridges-
Trafikverket's
perspective**

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TRAFIKVERKET



Trafikverkets thoughts on future infrastructure in the perspective of 5 – 20 years.



Trends globally, nationally and political statement

- Globalization- Increased transport needs combined with a fast change of the society at the whole.
- Urbanization- Increased transport needs for both passenger and freight transport. The main reason is urban and regional growth
- Digitization- New systems and logistics solutions for passenger and freight transport
- Climate change- Climate change leads to an increased impact on existing infrastructure for which they are not designed
- Sustainability- Sustainability is about resource consumption, optimization of structures, environmental impact of structures etc.



Trends globally, nationally and political statement

Specific national conditions

- The Swedish base industry, such as the forestry industry, mining etc. is an important part of the country's business community
- This leads to a need to further develop of transport solutions, that in turn lead to higher availability and performance
- A transport system with low traffic volumes combined with large lengths. Furthermore, with demands for high bearing capacity



Trends globally, nationally and political statement

There is a political consensus that investments in infrastructure is a priority area



Some trends in Swedish transport infrastructure

TRV's national transport plan raises the following areas.

- Increased investments volumes. The current level of 4 Bill. EUR will be increased to 6 Bill. EUR within 2 years.
- Of the above volumes, 60% refers to investments in railway projects and 40% in road projects
- Investments will be made both to meet the industry's needs of more efficient freight transport as well as increased capacity for passenger transport in growing regions of the country
- Some efforts will be made to transfer passenger and goods to other types of transport. Ex. from truck to rail



Some trends in Swedish transport infrastructure

- Increased accessibility.
- Increased capacity- This will affect the mainpart of the existing infrastructure which needs a higher level of performance and capacity
- Coordination of different transport systems



Examples from the road transport system

- Increased accessibility and capacity of the road system with with high traffic volumes.
- Increased vehicle weights and longer trucks
- Platooning



Examples from the rail transport system

- Increased accessibility and capacity for higher traffic volumes
- Longer time between different maintenance actions and shorter time to perform them
- Increased vehicle weights and longer trains
- Increased proportion of trains with the same type of wagons with optimized loads

