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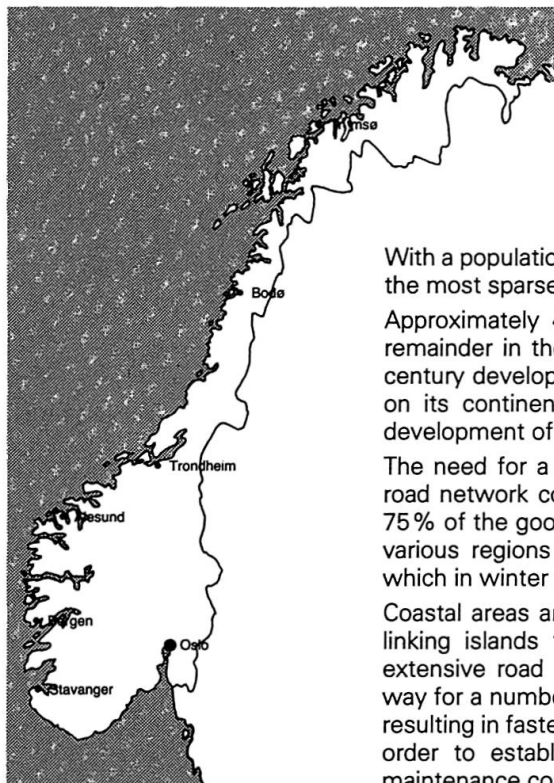
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5. Symposium on Strait Crossings Stavanger, Norway, Oct. 7 – 9, 1986



With a population just above 4 million on an area of 324 000 km², Norway is one of the most sparsely populated countries in Western Europe.

Approximately 45% of the population lives in towns and built-up areas, the remainder in the rural districts. Norway has during the second half of the 20th century developed into a highly industrialized country. The oil and gas resources on its continental shelf have added a new dimension to the economy with development of new processes and products.

The need for a modern and well coordinated transport system is obvious. The road network constitutes the backbone of the transport system and more than 75% of the goods are transported on the roads. Trunk roads interconnecting the various regions of the country cut through vast and desolate mountain areas which in winter time frequently are exposed to heavy snowfall and strong winds.

Coastal areas are served by a number of ferry connections crossing fjords and linking islands to the mainland as an integral part of the road network. An extensive road and bridge construction programme has, however, been under way for a number of years to replace or shorten many of these ferry connections resulting in faster and more economic travel. Also tunnel constructions are used in order to establish permanent connections. However, high construction and maintenance costs prohibit the realization of technically feasible projects.

Technical programme

The symposium will contain:

- plenary sessions for the presentation of invited papers (about 10)
- parallel sessions for the presentation of papers (about 60)

There will also be a display in connection with the symposium, where the sponsors will introduce their societies.

Among the invited papers:

- Strait Crossings – Vital Links
Mr. Eskild Jensen
- Norwegian Fjord Crossings
Mr. Kaare Flaate
- Strait Crossings – a Contractors View
Mr. Knut Tovshus
- Developments in Bridge Design
Prof. Dr. Fritz Leonhardt
- The Channel Link
Mr. Colin J. Kirkland
- Why not Float Across?
Mr. Per Tambs-Lyche
- Developments in Structural Materials
Prof. Dr. Ivar Holand
- Sub-Sea Rock Tunnels
Mr. Arild Palmstrøm

Organised by:

- Norwegian Society of Chartered Engineers
- Norwegian Public Roads Administration

Supported by:

- International Road Federation (IRF)
- International Tunnel Association (ITA)
- International Association for Bridge and Structural Engineering (IABSE)
- Norwegian Association of Consulting Engineers (RIF)
- Norwegian Institute of Technology (NTH)

The symposium will focus on recent developments in investigation, design, construction and maintenance of permanent structures across straits and fjords. Special emphasis will be placed on new technology that may reduce costs and expand the limits of feasibility. Reports on completed projects as well as planned ones are invited.

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