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Proposal for Implementation of a System on an Example on the First, Second and  
Third Ring Roads Around Tripoli, Libya  
Theses of the dissertation

Thesis 1.

On the basis of an detailed analyses investigation I have established that the mobility and – parallel with it – the traffic volume will increase considerably on the Libyan/Tripoli road network in the next years because of the ongoing economical development.

Thesis 2.

I have determined and presented the possibilities of application of the information and control systems and included the road transport telematics – findings that the telematics are not the solution but one of the possible tools for solving traffic problems.

Thesis 3.

For the Tripoli ring-road network I have proposed an integrated traffic control and information system, with several traffic control sub-systems:

- Variable Message Signs
- RDS-TMC radio information system

Thesis 4.

I have worked out an traffic forecast model related to the Tripoli ring-roads, with application of this model information is obtained on the critical section of the network and on the critical periods.

Thesis 5.

In the dissertation I have demonstrated, that for a developing country the applicaation of the modern technology in the road operation is essential in order to satisfy the immediate development of the mobility caused by the accelerated socio-economical development.