

PROPOSITIONS

attached to the thesis

Integrated Infrastructure for Sustainable Improvement of Movement and Safety in Urban Road Corridors. The case of Dar es Salaam, Tanzania

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1. Road safety problems in developing countries are not the lack of technical solutions, they are due to the problem of coordinating the technical solutions among the stake holders (Ch. 2).
2. Influence of disturbance of under layers in excavation for repair of underground facilities extends far beyond the dimensions of the excavated trench by weakening road layers which lead to premature failure of roadway (Ch. 2).
3. With lack of non-integrated approaches in operational and management and faulty interaction of urban infrastructure in road corridors, the risk to safety of movement increases as the infrastructure operations and consumer consumption of infrastructure services increases (Ch. 4).
4. Uncoordinated placement of infrastructure facilities within urban road corridors results into high development costs and imposes risks due to damages of unidentified underground infrastructure networks (Ch. 4).
5. Typical road corridor condition in Dar es Salaam affects traffic movement and safety. This is primarily due to operational and faulty interactions among the infrastructure assets as well as the approach to infrastructure development and management (Ch. 4).

6. Infrastructure assets in the urban road corridor are geographically interdependent primarily by virtue of physical proximity as well as operational and faulty interactions among the systems.
7. Water layers of various depths on the road surface, due to underground water leakages, cause drivers hydroplaning and consequently endanger other road users.
8. Improvement of roadway facilities cannot provide sustainable improvement of mobility unless road user behavior and other infrastructure facilities in the road corridor are improved and integrated.
9. Water main leaks and breaks undermine road structures leading to premature failure of the systems, thus causing unevenness of the roadway surfaces thereby constituting a potential danger to the movement of vehicles and people.
10. While it is very difficult to precisely predict weather for individual in Netherlands, in Dar es Salaam one can easily predict water rationing by observing leakages along the road.
11. Getting your PhD thesis defended is quite a job!