

Outline of Presentation

- (1) Study on Commercialization of Road Management
- (2) Piarc Seminar in Namibia
- (3) Flood damage
- (4) Conclusion



Asset Management System in Africa

I. Study on Commercialization of Road Management

Asanra/SATTP (Sub-Saharan Africa Transport Policy Program)

- (1) Countries surveyed are Seven;
 - Botswana and Cameroon - Just satisfactory;
 - Ethiopia, Tanzania and Ghana - Good;
 - Namibia and South Africa - Excellent;
- (2) RMI principles were looked at, but one component was the RMS
- (3) According to a review of the status of road sector policy reforms in SSA (RMI Matrix 2006),
 - * 27 countries with active Road Funds
 - * 20 Road Authorities,
 - * most of which were created after 2000.





Asset Management System in Africa

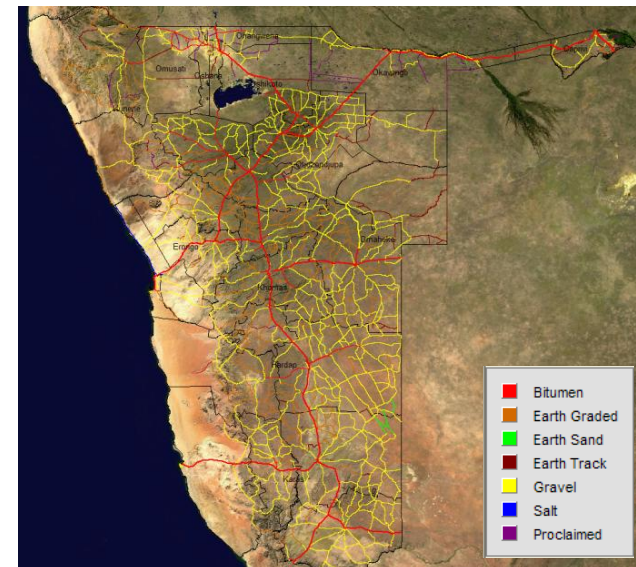
The context of road asset management in Southern Africa

- (1) Many countries in Southern Africa do not have a fully fledged computerized RMS;
- (1) exceptions are: South Africa and Namibia

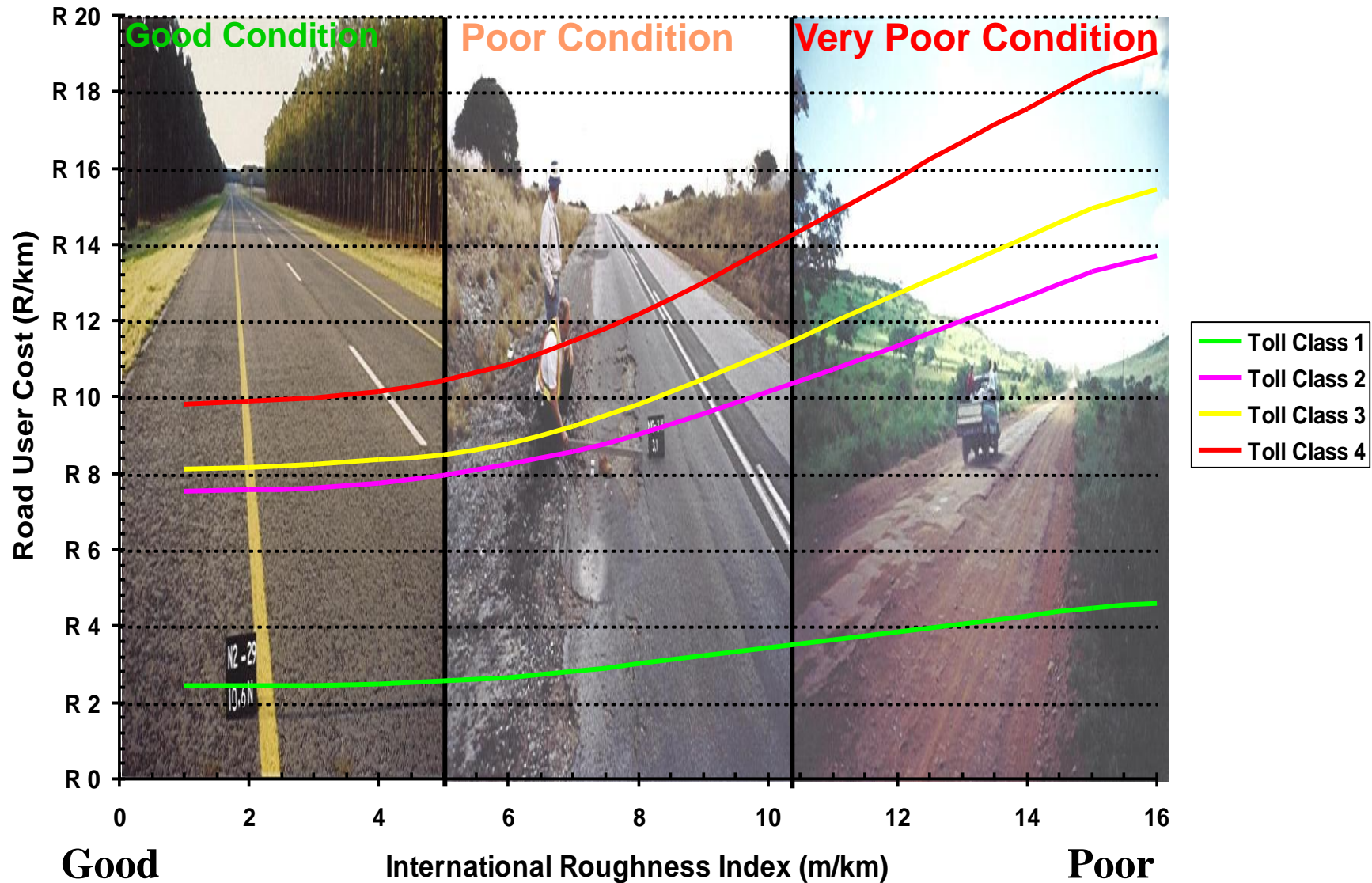


NAMIBIA RMS

- Road Referencing System (RRS)
- Traffic surveillance System (TSS)
- Pavement Management System (PMS)
- Unsealed Road Management System (URMS)
- Network Integration Module (NIM)



What Is The Price We Pay – Road User



Based on HDM-4 Modeling

Asset Management System in Africa

The context of road asset management in Southern Africa

- Most roads agencies have established some type of (RAMS) with varying levels of sophistication.
- Most of these agencies have experienced difficulty in operating these systems in a reliable and sustainable manner
 - * due to problems related to local calibration of models.



Asset Management System in Southern Africa

- It is recommended that:
 - (1) Roads Authorities to outsource operations of RMS –
 - (2) The initiative started by SATC to harmonize RMS has not been successful – that initiative to re-start
 - (3) Countries with no formalized RMS needs assistance: knowledge sharing, forums be established....
 - (4) Shortage of highly qualified and experienced engineers especially in the RMS field
 - (5) Institutional challenges remain (Paper by Roger Smith)
 - (6) Challenge in understanding RAMS by Road Authorities



Asset Management System in Africa

II Piarc Seminar

- To address one of these challenges that is to bring knowledge and awareness in Africa
 - An International Seminar of RAM was organized in Namibia; 4-6 April 2011 at Swakopmund
- Piarc in Association with Roads Authority of Namibia, D1 Committee, MWT, donors, sponsors etc..



Asset Management System in Africa

Piarc Seminar

- The Seminar attracted delegates from United States, United Kingdom, Australia, Italy, Spain, Germany, Ethiopia, Malawi, South Africa, Tanzania, Zambia, Netherlands, Mexico
- Total delegates were around 200
- For the official opening over 250 people attended.
- The Seminar was a success with a profit
- First day session focused on strategic issues, second day was for technocrats and third day technical visit
- Special session on capacity building
- All aspects of Asset Management were covered







3. FLOOD DAMAGE ESTIMATED AT N\$ 650 MILLION





Asset Management System in Southern Africa

• Conclusion

- (1) Africa and developing nations have the potential to use IRMS
- (2) Through these types of Forums, Seminars, D1 Committee, etc.. We can assist CEOs, Boards, Ministers, Donors (decision makers) to know the importance of IRMS
- (3) The selling of RMS remains to be a challenge – and it is our duty we as practitioners to promote IRMS
- (4) The Seminar in Namibia showed that all nations whether developed or developing have the same challenges and the solutions provided apply to all
- (5) Namibia is also affected by climate change – the flood needs to be mitigated through proper planning and disaster management

