

i-PMS

PAVEMENT MANAGEMENT SYSTEM

The Pavement Management (PMS) for surfaced roads is a clearly defined set of procedures for collecting relevant road data with the analysis thereof.

Key Features

- ▲ Web based spatially-enabled Pavement Management System
- ▲ Identifies problems on the network
- ▲ Quantifies the problems that exists on the network
- ▲ Priorities Maintenance and upgrading needs
- ▲ Monitor surfaced road networks
- ▲ Analyse & model the condition of road segments
- ▲ Communicate condition information and maintenance needs
- ▲ Strategic, Tactical & Operational level outputs
- ▲ Address Absent & Insufficient Infrastructure
- ▲ Link Money Values to provide Optimised Budgets
- ▲ i-PMS is the most extensively system implemented in South Africa
- ▲ Inform the condition & remaining useful life of road assets in the asset register
- ▲ Calculate Road Maintenance Backlog



Prediction Models & Pavement Deterioration

In order to determine a stable annual budget and improve the prioritisation of appropriate remedial measures, it is necessary to accurately predict the impact of funding on condition of the road network over the next 10 years.



Decision Support: Implication of Different Funding Scenarios

Users can create multiple funding scenarios with different maintenance budgets and strategies. The graph below shows the estimated change in total network pavement condition for different funding scenarios using regression analysis in the deterioration models.

TMH 9

- Web Based ● Advanced Mapping Engine
- Asset Statistics ● Management Dashboard
- Video & Mechanical Surveillance Support



Tel: +27 12 346-1255
Email: info@iramscloud.com
Website: www.iramscloud.com

ROADS & HIGHWAYS
A division of Digital Industries (Pty) Ltd

Decision Support