i-URMS

UNPAVED ROAD MANAGEMENT SYSTEM

The unpaved road management system is a suite of application programs for analyzing and modeling the condition of unsurfaced roads.

Key Features

- **Web based** spatially-enabled management system
- **Monitor** unpaved road networks
- **Analyse & model** the condition of road segments
- **Communicate** regraveling & maintenance needs
- Address **Absent & Insufficient Drainage**
- Link Money Values to provide **Optimised Budgets**
- **Identify suitable roads for upgrade to paved roads**

The Management Systems provide condition information as well as routine maintenance priorities. Road segments requiring maintenances are highlighted whilst identifying appropriate maintenance measures, reporting on the condition of gravel pavements and presenting the results in a variety of formats and combinations for different levels of management.

The Gravel Road Management System identifies, quantifies and prioritizes maintenance requirements for the short and long term. The diagram below clarifies the strategy for operational and capital maintenance programmes.

Blading Priorities

Short Term	Long Term

Blading Frequency
Re-shape
Re-work

Re-gravel
Upgrade dirt to gravel
Upgrade gravel to paved

TMH 9

DELIVERABLES

The *Detailed Condition Description* report gives detailed inventory information as well as condition descriptions and maintenance requirements for each gravel road segment in the road network.

The *Maintenance Summary* report shows a summary of all appropriate maintenance measures for the total road network. Summaries for re-gravel, gravel, drainage and paving are given.

The *Maintenance & Upgrading Priority* report lists, in order of priority, all the recommended maintenance and upgrading projects.

- *Advanced Mapping Engine* • *Asset Statistics*
- *Management Dashboard*