i-BMS

BRIDGE MANAGEMENT SYSTEM

The bridge management system address the management of minor structures (culverts) and major structures (bridges). Culverts and particularly bridges encapsulate a wide array of assets and consequently the amount of information one can derive from such structures is immense such as the structure inventory pertaining to the location, type, function, ownership, guardrails, dimensions, spans, balustrades.

The system is designed in such a way that the level of detail captured for the inventory and assessment can be customized to cater for low detail or high detail scenarios.

Key Features

- Integration with Road Location Referencing System
- Acquiring of base Inventory data & update of old inventory data
- Functional Condition assessment of the Waterway, Structure, Approach
- Data capture (Inventory & Condition)
- Basic verification of data
- General Remedial Action Project Costs Summary
- Inventory and Inspection reports
- Specify Remedial Actions per structure

GRAP 17

TMH 19

The bridge management system intends to assess how poor the condition of a bridge is as opposed to how good it is. To this end the system makes use of a _Bridge Condition Index_ that is calculated by applying customized coefficients to the degree, extent and urgency of every defect of the waterway, structure and approach. This prioritizes the bridges or structures that require urgent attention.

- Web Based ● Advanced Mapping Engine
- Asset Statistics ● Privilege Management