



PMS Focus

- PMS focuses on four major functionalities namely
- Traffic Loading
- Pavement Design
- Maintenance Strategies
- Implementation Program
- Cost Analysis.

Solution

- It finds Optimum Strategies for Providing, Evaluating & Maintaining Pavements
- It relates Pavement Condition, Residual Life, cost and Maintenance Policy
- It Demonstrate an Engineering Approach through
 - Performance-Prediction Modeling
 - Maintenance-Cost Modeling

Pavement Management System is a software application backed by set of high-end road engineering algorithm that assists decision makers in finding optimum strategies for providing, evaluating, and maintaining pavements to a serviceable condition. The objective of Pavement Management System is to evaluate intended functionality of a pavement, plan major maintenance for minimizing cost of both road user and road agency. Further PMS will help prioritizing the investment for annual budget requirement.

MECHANISM

Mechanism of PMS is to monitor highway corridors which are based on two simple models like, *Performance-Prediction Model* and *Maintenance-Cost model*. Pavement engineering approach of PMS helps treating *Functional Distress* and *Structural Deficiency* effectively. Assessment of Pavement Residual Life decides *Work Prioritization* and *Fund Allocation*. Algorithm also brings the complete corridor to a comparable level of *Fitness for Purpose*. Moreover three year rolling program allows financial management.