Integrated System Overview

Using a common network referencing model, it is possible to provide an Integrated Highway Asset Management System.

This enables the user to link Pavement Condition data with Accidents, Structures/Bridges, Highway Inventory, Customer Services, Routine Maintenance Instructions, Works Orders, Street works and Street Lighting databases.

WDM® applications use server-based technology to deploy client modules using thick (traditional LAN/WAN), thin (Citrix) or web browser interfaces. Supported configurations range from a standalone Windows PC to corporate level application / database server farms.

All modules adopt a common graphical user interface (GUI), incorporating WDM® standard presentation tools, which include query building, map-based data presentation, reporting, charting and data collection.

This common GUI approach allows the user to concentrate on the data instead of having to learn new analysis procedures. Transition from one module to another requires very little additional training.

One of WDM® strengths is in producing highly configurable and adaptable systems. This flexibility means that WDM® software is equally suitable for use by all highway authorities, from borough or city councils to national government.

WDM® provide an excellent on-going support and advice service as part of the annual licence fee. This licence ensures that the software keeps up to date with the latest enhancements and developments.

* A complete solution to highway asset management
* Providing efficiencies via shared services
* Covering all aspects of highway, structures and environmental services
Pavement Management System (PMS) is the most widely used PMS with over 300 license holders. The WDM® PMS calculation module, which is PANDEF v3, SKID, HRM group 3, RAV (TTS/SCANNER) compliant, alleviates the need for users to run PMS feeder systems. The survey data stored within the WDM® PMS can be used to provide a dynamic, network-wide, condition based, Asset Management System. Tools are provided within the WDM® PMS to calculate the maintenance backlog, value the asset and to undertake whole life costing. The system's other features include ukPMS Tranche 3 processing, charting, data profiles, reporting and scheme management.

ukPMS Manager (ukPMS) capable of operating within the full WDM® Pavement Management System, WDM® ukPMS Manager is also available as a separate standalone module. It's designed to satisfy the requirement of Local Authorities to produce Audit Commission Performance Indicators, budget and scheme reports, maps and charts at a low cost.

PANDEF Deflection Manager (PDM) provides a replacement for the original DOS based PANDEF system for processing Deflectograph results. The system provides route based fitting of data to a database, processing and presentation of results using the map, report and chart tools common to all WDM® modules.

SKID SCRIM Manager (SSM) provides a replacement for the original DOS based SKID system for processing SCRIM results. The system provides route based fitting of data to a database, processing and presentation of results using the map, report and chart tools common to all WDM® modules.

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