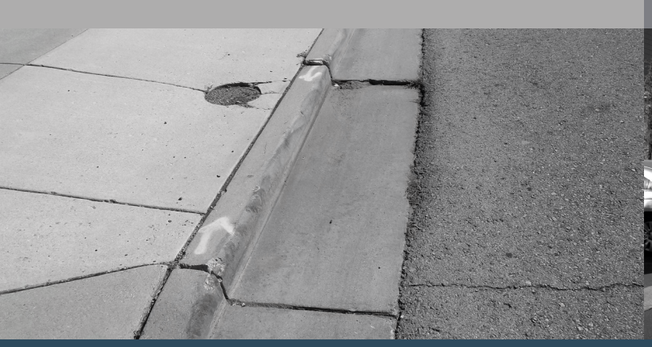
Informed™ Streets

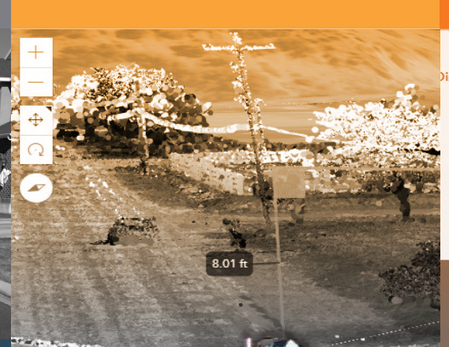
SERVICES

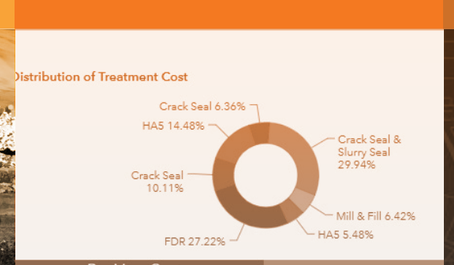
Construction Management
Environmental
Geographic Information Systems (GIS)
Land Development
Public Involvement
Right-of-Way
Structures
Survey
Telecommunications
Transportation
Utilities
Visualization
Water Resources

www.horrocks.com
800.662.1644

HORROCKS
ENGINEERS







Informed™ Streets

Horrocks Engineers' unique pavement management solution allows municipalities and departments of transportation (DOTs) to maximize their budgets by applying the right treatment to the right road at the right time. By assessing existing pavement conditions and creating predictive models in an easy-to-use online dashboard, we help local and state governments develop data-driven pavement management plans.

FEATURES

- Asset Inventory Mapping System
- Customizable Online Dashboard
- Data Collection & Analysis
- LiDAR Survey
- Living Pavement Management Plan
- Machine Learning
- PASER or PCI Scale Assessments
- Pavement Scenario Builder
- Predictive Modeling
- Software Training

ASSESSMENT

LiDAR Survey

Horrocks' in-house survey crews use a truck-mounted Light Detection and Ranging (LiDAR) unit to survey terrain. The survey-grade data collected for pavement assessment can also be utilized for other projects and purposes, reducing future project costs.

Pavement Assessment

During the initial phase of service, our experts perform pavement assessments to gather baseline data for a pavement management plan. We provide two types of pavement ratings in accordance with our clients' needs: Pavement Surface Evaluation and Rating (PASER) and Pavement Condition Index (PCI) ratings. Our PASER ratings utilize machine learning for a more efficient and accurate data set.

ANALYSIS

Customizable Dashboard

Survey and assessment data is displayed on the interactive Informed Streets dashboard. The dashboard is highly customizable and can be used to analyze all levels of pavement data, from a specific roadway segment to the overall project system.

Predictive Modeling

The Informed Streets platform allows agencies to compare the effects of potential pavement treatments through predictive modeling. Complex algorithms determine when certain projects should be scheduled to extend the life of a roadway or meet funding constraints.

Pavement Management Plan

Our pavement design experts develop the initial pavement management plan according to funding and scheduling constraints. As these factors change over time, the plan can be easily maintained as stakeholders analyze potential treatments.

VISUALIZATION

Spatial Viewer

Horrocks' Informed Streets Spatial Viewer integrates GIS systems, LiDAR scans, and photography in one robust platform. This viewer can be used as a tool to navigate project data and to communicate clearly with stakeholders, decision-makers, and field crews.

Asset Management

Within the Informed Streets Spatial Viewer, city staff can view and manage assets such as manholes, fire hydrants, and street lights. These assets can be located with precision and tagged with details about installation, make, and maintenance.

Reporting & Documentation

We produce annual and as-needed reports for stakeholders and city councils. This documentation is supplemented by the maps, charts, and models within the Informed Streets dashboard, which offers further maps, charts, and models for reporting.

SUPPORT

Customization

In addition to customizing the Informed Streets dashboard for client-specific requests, we continue to develop tools and features that improve the pavement management process. We provide information and support for our clients on these new features as they become available.

Staff Training

We provide software training for our clients' staff so system users can navigate the dashboard confidently. This streamlines the pavement management process because users can access the full functionality of their pavement management data.