

Safety Analyst™ Overview

AgileAssets Safety Analyst™ is a fully functional traffic safety management system designed to help you, the decision-maker, from detecting hotspots to treatment of this sites using appropriate countermeasures. This section presents an overview of the system's main features, pertaining to the three principal types of traffic safety functions, which are:

- Database access.
- Analysis functions.
- Configuration

The system uses three basic types of data for safety analysis. The first data type (Inventory, Traffic, and Management Sections) defines the basic attributes of your pavement network. This data defines the extent of the network, its location referencing, and other attributes of each section in the network. This allows the software to use information such as functional classifications, traffic levels, environmental zones, and other useful information for pavement management analyses.

The second data type (Construction History) defines the pavement structures that exist on each pavement section. Using this information, the software can analyze performance and assign appropriate maintenance and rehabilitation treatments for planning and network analysis.

The last data type (Condition) defines the pavement condition of your network. The software uses pavement condition for performance modeling, reporting, decision-making and prioritization of candidate projects based upon the decision-making parameters.

The system combines these three data types into master files for analysis within the system. The Network Master File (NMF) contains the most current information from all three data types for every section in the network. This file is the starting point for future condition prediction and network planning analyses within the system. You can also produce reports with current information from this file.