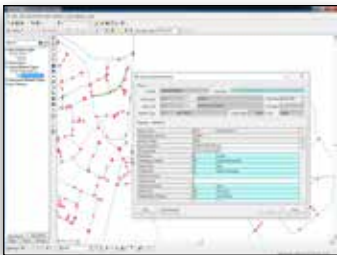




Exor Spatial Manager

Geographically Display Networks, Attributes, and Assets

Exor Spatial Manager provides a powerful desktop geographic information system (GIS)-based environment to display, edit, and publish network and asset data. Exor Spatial Manager enables users to display all highway infrastructure data on a map including assets, crash records, traffic statistics, defects, pavement condition, and street works. Users can then input, edit and relocate these records as geographic features using the map.



Users can create and categorize network elements.

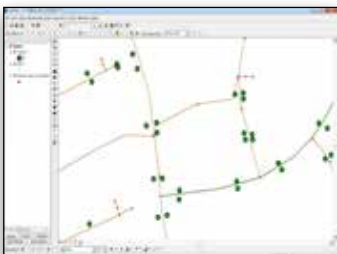
Improves Decision Making

Viewing infrastructure data geographically reveals patterns and details not apparent in tables and reports. Exor Spatial Manager enables users to view linear networks, related assets and characteristics together with other GIS data layers. This contextual information, together with the ability to see geographic patterns and carry out spatial analysis of assets, maintenance activities, crash, and project data, significantly improves asset management decision making.

Easy-to-Perform Analysis

Exor Spatial Manager is a user-friendly graphical reporting tool enabling users to query and report on data without any programming knowledge. This ensures all information is available to all types of users. Its GIS technology allows a map-based view of the database for spatial analysis, queries, and reporting.

Exor Spatial Manager provides a variety of tools to organize and search for information based on record attributes and location. It supports multiple linear referencing methods and includes a linear reference method tool to identify all concurrent linear network locations at any point. It also features a tree-like view to display hierarchical information and provide easy, navigable access to network and asset data.



Users can create assets directly on the map.

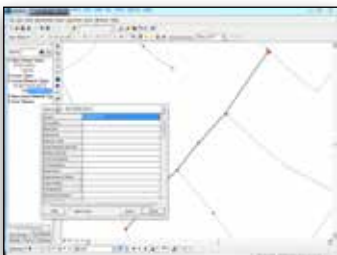
Ensures Up-to-date Network and Asset Information

Exor Spatial Manager enables users to define changes to the underlying network using the map, while the logical database defining the road network is automatically

Synchronized Changes

All network asset queries and display functions are integrated with the map-based user interface and standard desktop GIS functionality. Network and asset data, both spatial features and business attributes, are held in a shared database, so all changes to the network geometries are automatically synchronized with changes to asset locations. Exor Spatial Manager enables users to maintain and use multiple linear referencing systems to update assets located using dynamic segmentation or off-network geometries.

...provides a powerful desktop geographic information system (GIS)-based environment to display, edit, and publish network and asset data...



Users can search for network elements.

kept in step. Exor Spatial Manager provides powerful editing tools to maintain networks and assets through its map interface that is built right into the GIS software screens.

Users have a variety of options to update the network including tools to add, delete, shift, merge, and split network elements. The entire network editing functionality is available from a movable tool bar on the GIS screen.

Application Server Specification

As recommended by Oracle for 10g Application Server

Processor

3.0 GHz Intel Pentium Processor

Operating System

Windows Server 2000, 2003, 2008R2, Unix

Memory

Min 4 GB based on (75 active users)

Database Server Specification

As recommended by Oracle for 10g Database Server

Processor

3.0 GHz Intel / UltraSPARC

Operating System

Solaris 8 / 9 / 10, Windows Server 2000, 2003, 2008R2

Memory

4 GB of RAM + (Swap space double the size of RAM)

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Exor Spatial Manager At-A-Glance

Functionality

- Integration with leading desktop GIS to spatially reference all transportation assets, activities, and events in one common database
- Geographic display of highway networks, roadway infrastructure, and their attributes
- Full map-based data entry and editing of road networks and any associated data such as accident locations
- User-friendly geographic query and reporting features in the database
- Interfaces with the database to provide desktop GIS access to data for all Exor modules

Display

- Network elements
- Assets by either linear location or coordinates
- Thematically mapped data using characteristic features
- Grouped GIS themes in a tree view

Create

- New network elements complete with spatial data and textual attributes
- New asset data, complete with spatial data and textual attributes, and locate it
- Network extents for reporting and querying context
- New off-network assets

Edit

- Spatial geometry of network elements
- Spatial geometry of assets
- Textual network and/or asset attributes

Query

- Network and asset data using their spatial location
- Network and asset data using their characteristic attributes
- Combined spatial and textual data (in query parameters)