

ROAD MANAGEMENT APPLICATION

Surveillance and management of the status of roads

With the road management application, after examining the road, a user can analyse and plan the maintenance and the restoration of routes, allowing for better road management.

For every road examined, it is possible to obtain information on a section such as it's: name, length, width, state, characteristics and properties. The road management application also allows the addition of georeferenced pictures of the road onto a part of the section in order to view and measure with precision the characteristics and specifications of urban property.

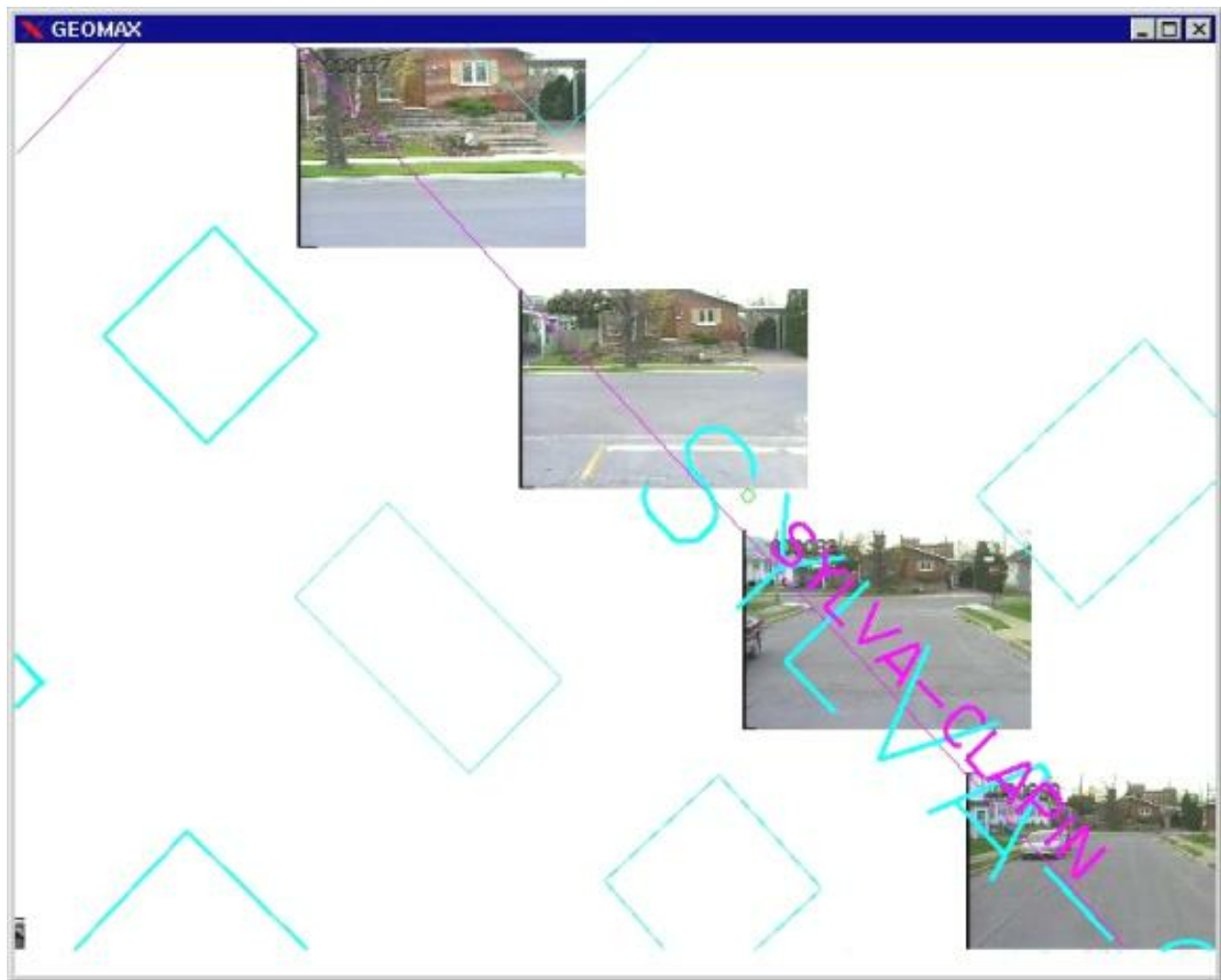


Image representing a part of the descriptive sheet of the section #16640 and the pictures taken at every 10 meters of the section.

Characteristics of the module:

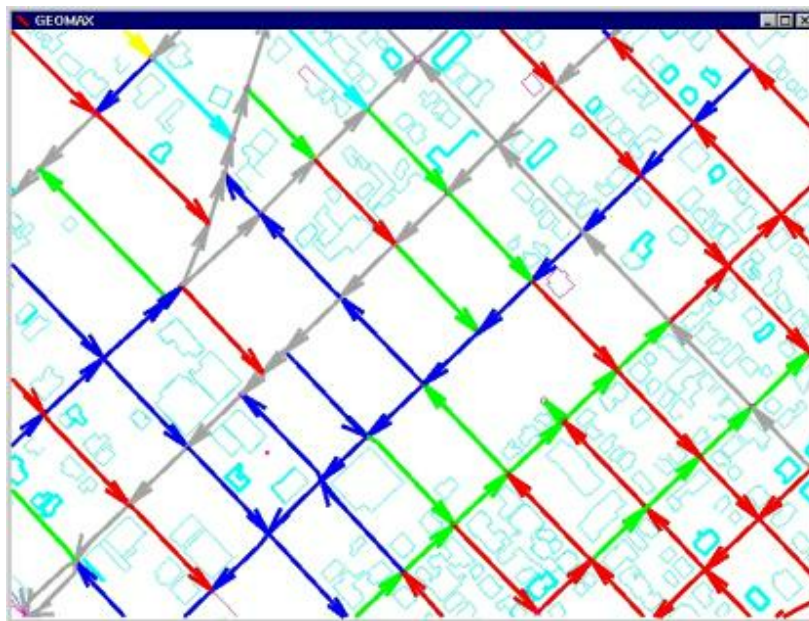
The application allows to view graphically:

- Characteristics of the road:
 - ⇒ Depth of concrete
 - ⇒ Presence of a drain-pipe
 - ⇒ Type of foundation
 - ⇒ Thickness of foundation
 - ⇒ Presence of a geomembrane
 - ⇒ Type of ground support

- Properties of the road:
 - ⇒ Year of the last intervention
 - ⇒ Type of the last intervention
 - ⇒ Frost-crack
 - ⇒ Load capacities
 - ⇒ Traffic (DTN)
 - ⇒ Functional class
 - ⇒ Height of sidewalk
 - ⇒ Ground resistance (CBR)

- State of the road:
 - ⇒ IRN
 - ⇒ Actual quality assessment
 - ⇒ Quality assessment after 3, 6 and 9 years
 - ⇒ State of curbs
 - ⇒ State of sidewalks

The application also provides a legend and default values for each graphic visualization of data.



Functional types of roads:

- Red: residential
- Cyan: collector primary
- Green: collector residential
- Blue: collector commercial
- Yellow: Arterial Road
- Grey: N/A

Screenshot of the result of functional classes in a sector.