

1.3.3 Building a Successful ArcIMS based Transportation Corridor Property Acquisition Tool

Presenter

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The Gateway Program was established by the BC Ministry of Transportation to ease the transportation crunch in the Greater Vancouver Region foreseen in the near future. By 2031, the Vancouver area is estimated to grow from 2.1 to 3.0 million people, putting significant strain on existing transportation infrastructure. Road, bridge and transit capital improvements are forecast to consume \$3.9B of provincial expenditures over the next 10 years.

Key to improving the transit network is the acquisition of key property adjacent to highway, rail, bicycle, and rapid transit corridors, in order to expand each of these networks. The Ministry of Transportation sought to design a suitable application that could manage the complex process of locating and acquiring the necessary property to permit this expansion. The PAT or "Property Acquisition Tracking" tool was conceived.

PAT is an ArcIMS application that allows stakeholders involved in the acquisition of property adjacent to transit thoroughfares, to track the complex event flow involved with this process. The application includes powerful symbology tools to render property in different states of acquisition, allows for attribute editing from within the web application, includes advanced search tools, custom query, export to excel, advanced markup tools and document management. The built in security mechanism allows administrators to restrict access to property jurisdictions based on an agent's profile.

This presentation will demo the application, demonstrating several of the key features, with the intent of sharing best practices for managing a MOT/DOT property acquisition application.