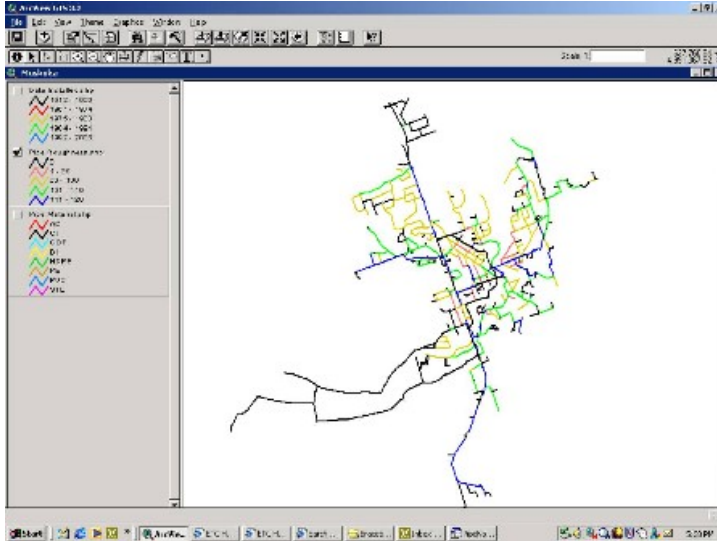


AMS and GIS Master Plan Implementation



Earth Tech completed an AMS and GIS master plan, an AMS/GIS implementation pilot project, a full AMS implementation, a sewer AMS and a water AMS. In 1997, Earth Tech developed an implementation plan for development of the AMS and other related solutions. The system was strategically planned and implemented by the city and Earth Tech following a multi-year phased approach. The plan involved extensive interviews and workshops with city staff from various departments to create action plans to implement AMS/GIS technologies. Earth Tech worked with Brantford to implement the municipal infrastructure data standard (MIDS) that currently contains roads, sewer, and water inventories; is integrated with the city's GIS; and developed business solutions, such as integrated capital planning and hydraulic modeling. Additional projects included pilot development of Web-based GIS for intranet role-out and integration of water and sewer models with the AMS.

The open system allowed Brantford to continue to integrate applications and collect valuable information needed to run its business. For example, as outlined in the strategic plan, Brantford has implemented and integrated a maintenance management system (MMS) with their data warehouse, GIS, etc. The city carried out implementation with assistance from the software vendor and Earth Tech. Integration of MMS has successfully added to the city's information sources that feed the AMS and decision-making process by making maintenance information available for the assessment of condition and performance of the assets.

The city is a leader in asset management and systems integration and has promoted the success of its AMS industry since 1998. Corporate systems including MMS and financial.

PROJECT DETAILS

CLIENT: City of Brantford
LOCATION: Ontario, Canada

REFERENCE INFORMATION

NAME: Wayne Wood,
Commissioner of Public Works, City of Brantford
TEL: (519) 759-4222 ext 2242

PROBLEM

Implementing AMS and GIS technologies within the City of Brantford, allowing Brantford to continue to integrate applications and collect valuable information needed to run its business.

CHALLENGES

Integrating current applications and data collection requirements with the municipal infrastructure data standard (MIDS).

SOLUTION

Implemented the municipal infrastructure data standard (MIDS) and integrated it with GIS. Developed a Business Solution that incorporated integrated capital planning and hydraulic modeling.

BENEFITS

Developed integrated capital planning; increased ability to make informed and effective decisions; provided timely and accurate information.

COMPLETION DATE

12/31/2001