

Asset Management Strategy to Support Capital Planning



Ottawa has been on the forefront of implementing asset management systems for its pavements, sewer systems and water systems. A lot of the effort was undertaken in the development of the inventory data management systems and the collection of accurate, current, and objectively based condition information. Like most municipalities, Ottawa had capital programs for replacing deteriorating municipal infrastructure however the amount of work that can be carried out is often limited by the City's ability to pay for these and the other valuable programs and services that the City provides. The effective allocation of limited funds between varied and competing assets/programs was central to the proposed sustainable asset management program.

The project provided an assessment of Ottawa's sewer, water and road capital rehabilitation program funding levels and identified key components for the financial reinvestment/asset management (FR/AM) strategy.

Asset management provided a methodology for building knowledge and understanding of the various assets through objectively based condition assessment programs incorporating engineering analyses of structural, hydraulic and maintenance information. Utilizing this approach, Ottawa can start to develop a longer term, more cost effective asset reinvestment strategy.

PROJECT DETAILS

CLIENT: City of Ottawa
LOCATION: Ontario,
Canada

REFERENCE INFORMATION

NAME Richard Hewitt,
Director, Infrastructure
Services
TEL 613.580.2424 ext.21268

PROBLEM

City required support for their 10-year Capital Plan so that current investment levels could be justified and future investment requirements established.

CHALLENGES

City recently amalgamated from 13 municipalities into a single large City. Infrastructure information was inconsistent between the former municipalities in terms of coverage and quality.

SOLUTION

Earth Tech provided an Asset Management Framework and structured program to optimize the life cycle of infrastructure assets through cost-effective rehabilitation ensuring ongoing integrity and sustainability.

BENEFITS

Developing a framework provided an important first step in the creation of a complete asset management solution. Funding levels were justified and future direction to improve proactive management of the infrastructure was established.