CASE STUDY
City of Hamilton, ON, CAN

FORESEEING TOMORROW'S PROBLEMS
GUIDING EVERYDAY ANSWERS

" With increasing needs and limited budget, how much money should we spend on our infrastructure assets? "

How we optimized their infrastructure management

Through the years, the City of Hamilton had collected significant data on their linear infrastructure and had carried out various analysis of their condition assessment. Looking for a way to integrate and maximize its capital investment decision-making processes for roads, water and sewers, the Harfan/Dillon team carried out an area study of a four-square-kilometre downtown area.

The analysis was performed following Harfan's Infrastructure Management Approach (HIMA™) and aimed at developing strategies for capital investments in rehabilitation, repair and replacement.

These results produced with Harfan's Infrastructure Management Approach (HIMA™) fully met the expectations of City staff. The study allowed for a complete assessment of HIMA's capabilities and of the flexibility of the approach. Several budget scenarios were analyzed; the outputs clearly showed the needs for a city-wide implementation in order to assist asset managers in maximizing the life cycle of their infrastructure networks.

Feedback from City staff indicated that HIMA™ provides the tools to justify budget increases. By measuring the impact of the funding on the level of service, HIMA™ clearly demonstrated the detrimental effects of underfinancing infrastructure networks.

HIMA™

By integrating your water, wastewater and road networks together for a single repair/replace analysis using Harfan's Infrastructure Management Approach (HIMA™), you can achieve a saving of up to 35%.

" Harfan's team combines the strength of civil engineers experienced in infrastructure management and data-processing professionals to produce unique products and solutions for our clients.

– **Eric Lalonde**
Vice-President R&D
Harfan Technologies, Inc.

POPULATION:
495 000

NETWORK MANAGED:
Water, Wastewater and Roads

AREA STUDY:
4km²

This case study was done in partnership with:

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