

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



How we optimized their infrastructure management

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 approach reflects a high level of expertise that enables us to meet the specific needs of asset managers. We work closely with our partners in engineering firms to deliver the most reliable and efficient solution. "

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

Canada
Tel.: 1 877 601-5200

info@harfan.com
www.harfan.com

Combining their expertise, the Harfan/Malcolm Pirnie Team demonstrated their know-how in the field of municipal infrastructure management.

Pirnie's mastering of the latest infrastructure engineering techniques well complemented Harfan's proven Infrastructure Management Approach (HIMA™). Our state-of-the-art approach to municipal asset management was implemented, making the best use of already available information. A series of rehabilitation planning scenarios were produced, focusing on specific issues to tailor the right program and to make quality projections with current available data. The scenarios were depicted graphically to facilitate the comprehension of the final report findings, for both technical and non-technical personnel.

The area study included 150 manholes and analysed underground infrastructure networks (water and wastewater) to develop a comprehensive system-wide analysis, resulting in the production of an Integrated Capital Improvement Plan (ICIP). Demonstrating its ability to get accurate results from a minimal set of data, the processed information was extracted exclusively from already existing sources and no field surveys had to be conducted.

Existing data sources included:

- Electronic data from CMMS, GIS, hydraulic models and CADD;
- Hard copy records such as work orders, as built drawings and invoices;
- Employee interview to determine age, criticality and condition.

Our successful implementation provided the the City of Newark with:

- An optimized Capital Improvement Plan that resulted from an analysis that integrated both the water and wastewater networks;
- An innovative approach to predicting R&R and capital budgets;
- A way to justify capital investments.

POPULATION:
50 000

NETWORK MANAGED:
Water and Wastewater.

AREA STUDY:
150 manholes

This case study was done
in partnership with:

