

## *Municipal Infrastructure Investment Planning (MIIP)*

### *Objectives*

To identify, evaluate and develop tools, procedures, and practices that will help infrastructure managers make strategic and cost-effective planning and management decisions.

### *Background*

Managers of infrastructure assets, such as federal and provincial government departments, municipalities, and universities, have responsibility for expensive, complex property portfolios. Because funds for asset inspection, repair and replacement often fall short of requirements, safety and performance may be compromised. Better tools and practices will improve decision-making and ensure that expenditures are cost effective and optimally allocated.

### *Statement of Work*

The Institute for Research in Construction and its MIIP consortium will evaluate existing asset management practices. The work will include the following tasks:

- survey the state of asset management in Canada and identify existing tools and techniques used to plan, prioritize and schedule maintenance and construction
- compare, evaluate, and carry out field trials of those tools and techniques using criteria established by experts
- research decision support software (DSS)
- build, test and validate a prototype DSS with consortium partners.

### *Expected Outcomes*

This project will provide

- manuals and guidelines to help asset managers to improve their decision-making,
- prototype decision-support tools for predicting asset deterioration and prioritizing maintenance.

### *Partners*

The cities of Calgary, Edmonton, Hamilton, Ottawa, Prince George, and Regina, the regional municipalities of Durham, Halton, and Niagara, and the Department of National Defence, Canada

### *Start/Expected Completion Dates*

The project began June 1, 2003 and will be completed in June 2006.

### *Project Manager*

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For more information, see [http://irc.nrc-cnrc.gc.ca/ui/bu/miip\\_e.html](http://irc.nrc-cnrc.gc.ca/ui/bu/miip_e.html)

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