

## Regional Municipality of York – Asset Management Strategy Gap Assessment



Earth Tech Canada (Earth Tech) was retained by York Region to complete an assessment of existing asset management related processes and procedures and to then compare those practices to Best Practices. The overall goal was to assess the fundamental components of Asset Management (AM), determine and document the current “as-is” state, document process gaps, and prepare a high level plan to move forward in filling the gaps.

The assessment was conducted to determine the current status/gaps of York Region’s current AM related processes relating to water and wastewater, linear and discrete assets and the ability to address the following AM Best Management Practices criteria.

- Knowledge of assets York Region owns or is responsible for,
- Knowledge of the structural and performance condition of the assets,
- Knowledge of the service levels to meet customer expectations,
- Knowledge of asset capacity, utilization and future requirements,
- Knowledge of asset value (inc. historic, replacement and depreciated costs),
- Ability to predict future condition and estimate service life through the integration of information systems and processes,
- Ability to determine consequences or risk associated with the failure of assets,
- Ability to optimize rehabilitation, Operations and Maintenance Activities that will ensure service life is achieved or enhanced,
- Ability to optimize inspection/condition assessment processes,
- Ability to predict long term financial requirements to ensure services can be delivered into the future, and
- Ability to monitor success or gaps within current AM processes and alter processes as required.

Once the existing asset management system “gaps” were identified and quantified, the Region was able to develop a strategy to begin moving the current asset management program toward Best Practices in a logical and economical manner.

### PROJECT DETAILS

**CLIENT:** Regional Municipality of York  
**LOCATION:** Newmarket, Ontario Canada

### REFERENCE INFORMATION

**NAME** Mr. Dean Rurak  
 905-895-1231

### PROBLEM

As a starting point to advancing their Asset Management Program to reflecting Best Practices, the Region needed an assessment of where to begin improvement efforts.

### CHALLENGES:

Review infrastructure management tools and processes that facilitate the decision making needs and concerns of Asset Management staff.

### SOLUTIONS:

Following the comparison of the current program to what might be expected in Best Practice, the Region could begin advancing their program in a logical and organized manner

### START DATE:

November, 2006

### COMPLETION DATE:

June, 2007