

Update on Asset Management Initiatives

Municipal Affairs and Environment

This Presentation

Background

- Asset Management
- MAE Efforts

Toolkit

- Aim and Delivery Timeline
- High Level Tool Overview

Questions

Background – Asset Management

What is Asset Management

“A systematic process of maintaining, upgrading, and operating physical assets cost-effectively.” (US DOT, 1999)

Key Principles

- Asset Value
- Life-cycle and Risk Management
- Long Term Affordability

(NRC/FCM, 2005)

Background – Asset Management

Canadian Infrastructure Report Card (2016)

- Provides an assessment of the state of municipal infrastructure.
- Municipal governments own nearly 60% of Public Infrastructure.
- One third of municipal infrastructure is in very poor to fair condition.
- All communities, particularly smaller municipalities, would benefit from increased asset management capacity.

To put that in perspective...

Background – Asset Management

Very Good
Condition

New Construction



*Image/Information Source:
Pavement Surface Evaluation and Rating (PASER) Manual.
Transportation Information Center, University of Wisconsin-Madison*

Background – Asset Management

Good Condition

*Tight and sealed
transverse and
longitudinal
cracks.*



*Image/Information Source:
Pavement Surface Evaluation and Rating (PASER) Manual.
Transportation Information Center, University of Wisconsin-Madison*

Background – Asset Management

Fair Condition

Moderate to severe raveling in wheel paths.



*Image/Information Source:
Pavement Surface Evaluation and Rating (PASER) Manual.
Transportation Information Center, University of Wisconsin-Madison*

Background – Asset Management

Poor Condition

Wide and raveled cracks.



*Image/Information Source:
Pavement Surface Evaluation and Rating (PASER) Manual.
Transportation Information Center, University of Wisconsin-Madison*

Background – Asset Management

Very Poor Condition

Patches in poor condition, wheelpath rutting. Pulverize, strengthen and reconstruct.



*Image/Information Source:
Pavement Surface Evaluation and Rating (PASER) Manual.
Transportation Information Center, University of Wisconsin-Madison*

Background – MAE Efforts

Municipal Capital Asset Management RFP (Fall 2016)

- A first step to developing a framework
- R.V. Anderson Associated Ltd.
- Final Report Delivered May 2017

“Municipal Capital Asset Management Plan Report” Findings:

- > 55% of municipalities have less than 500 people
- Key principles of framework – Simple, Robust, Flexible, Clear.
- Recommended developing
 - Tools and Templates
 - Guidance Documents
 - Education Materials

Background – MAE Efforts

Sector Partner Consultation

- Consulted MNL and PMA about findings of RV Anderson Report

Joint Committee formed

- To guide and support implementation of Municipal Asset Management in NL
- Members from DMAE, MNL, PMA

BAM!NL

- DMAE representation
- MAMP program support

Toolkit Overview

Municipal Capital Asset Management RFP #2

- Provide an excel based toolkit for municipal use
- Aimed at answering 7 Questions of Asset Management
- Will be available late summer/early fall

Toolkit Overview

Tool Addresses:

- Inventory and Database
- Asset Valuation and Service Life
- Condition Self-Assessment Tools
- Risk Management
- Financial Planning

Toolkit Overview

Inventory and Database

- *Inventory Guidance document will outline requisite data collection standards for assets. Data collection standards must be suitable for provincial range of community sizes, and be sufficiently flexible to accommodate accordingly.*
- A robust, scalable database.

Toolkit Overview

Asset Valuation and Service Life

- *This tool will be developed to allow municipalities to determine the value of each asset type...provide guidance on method of valuation based on information at hand (original cost, indexed replacement cost, etc.).*
- *Tool will provide guidance on the anticipated service life for each asset type...*
- Establish Asset Value and anticipated Service Life.

Toolkit Overview

Condition Self-Assessment Tools

- *This tool will allow municipalities the ability to identify the condition of their assets **without having to engage a consultant.***
- Determine Condition of Assets.

Toolkit Overview

Risk Management

- *Guidance document aspect will outline risk management principles, methods for ranking risks based on community priorities, and provide guidance on risk mitigation.*
- Assess Risks.

Toolkit Overview

Financial Planning

- *Tools to provide guidance on short and long term financial planning, budgeting, capital reserves, growth strategies, and contingency planning for communities.*
- Determine the Financial aspects related to Assets.

Update on Asset Management Initiatives

Questions?