

Using Work Tech to Manage Municipal Assets

Dave Anderson - Short Course



On December 18, 2014, Dave Anderson, CET, President, 4 Roads Management Services Inc., presented a short course on “How to Use Work Tech to Manage Your Municipal Assets”. Managing a road system is far more complex than simply managing by pavement condition; it is only one factor in the final decision. Managing a road system presents risks from a number of perspectives: financial, performance and liability. WorkTech Asset Manager Foundation provides a robust database that is easily configured to adapt to any attribute set desires, but is pre-configured for the Inventory Manual for Municipal Roads, 1991 and all of the inherent calculations that are defined by the manual.

The presentation focused on the Inventory Manual and its usage and configuration in WorkTech Asset Manager Foundation. Presentation contents included:

- Asset identification
- Existing road condition
- Traffic volume, type and projected growth
- Point rating of road elements
- Type and timing of required improvements
- Improvement costs
- Interpretation of rating, and recognition of the implications of defects found within the road allowance with respect to liability exposure and performance
- The inter-relationship of the data fields and the calculations in the Manual
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Dave Anderson is an Asset Management Specialist with over 30 years of experience as a municipal employee, and approximately 7 years as a consultant. Dave’s municipal career began in surveys and inspection and advanced to spend the last 20 years of his municipal career at the senior manager or department head level. Dave’s municipal experience includes municipalities at the upper-tier, lower-tier, and single-tier levels. His responsibilities have included all infrastructure types and road systems of up to 1,425 centreline-kilometers.

His range of experience includes public works engineering and operations, engineering studies for all types of infrastructure, including Class Environmental Assessments, Master Plans, Road Needs Studies, and capital planning and program implementation. Notably, Dave became the first Manager of Engineering and Infrastructure for the newly formed Haldimand County in the fall of 2000 and was tasked with creating an engineering department for a single-tier municipality, responsible for capital planning and implementation for all assets.

During his municipal career, and then as a consultant, Dave has completed a combined total of over 70 Road Needs/State of the Infrastructure studies or data collection exercises, following the MTO *Inventory Manual* methodology.