



Snow Ops Tech Talk “Management Tools”

Snow and ice community professionals and industry experts share their experience, knowledge and resources to help Managers identify available options and formulate potential solutions.

Presenters:

Bryan Pickworth, Farmington Hills, Michigan Road Maintenance Supervisor

Mark DeVries, Vaisala Solution Manager

Diana Clonch and Diane Watkins, DW Clonch, LLC Consulting

Topics:

GPS/AVL and Automated Data Collection and Reporting

RWIS and Mobile RWIS

Contract Weather Services and MDSS

Surface Temperature Sensors

Vehicle Upfitting

High end cutting edges

Inventory management

Sponsors: Technology providers:

Vaisala – Environmental measurements and weather tools

Winter Equipment Company – High end cutting edges and systems

Sky Hawk Telematics – GPS and Fleet Asset Management

Nature’s Own – AquaSalina brine available on DOT contract

Mike Foster and Associates – Municipal truck solutions

Loadrite – Loader scales

Respec Explosives - Lidar salt inventory measurements

Concord Trucks – Local DOT contract up fitter displaying a current local government upfitted vehicle

Rexroth – Automated controllers

Location: City of Columbus Street Maintenance 25th Yard Training Facility

Date: Thursday, March 26, 2020

Time:

7:30 am Vendor set-up and 8:00 am – 1:00 pm workshop

Schedule:

7:30 – Vendor set-up

8:00 am – 8:30 am – Registration, coffee, refreshments

8:30 am – 11:30 pm – Workshop

11:30 am – 12:30 pm – Lunch “Tech Talks” (round tables of specific topics)

12:30 pm – 1:00 pm – Report Out and adjourn

Agenda

7:30 – Vendor set-up

8:00 am – 8:30 am – Registration, coffee, refreshments and vendor time

8:30 am – 1:00 pm – Workshop

8:30 am – Introduction and overview – DW Clonch Consultants

8:45 am – Common areas of concern, primary decision making factors and the cost of poor decision making – DW Clonch Consultants

9:00 am – Recap of technological impacts and overview of available tools – DW Clonch Consultants

9:15 am – Management Tools in Use – How one local government uses technology and networking to optimize operations presented by Bryan Pickworth

10:00 am – Break

10:15 am – Industry trends and tools for success – A look at how others from across the globe are moving snow operations into the 21 century presented by Mark DeVries

11:00 am – The Numbers that Support Using Technology - Benefit Cost, supporting research and advice from the end users – DW Clonch Consultants

11:15 am – Break and Lunch Set UP

11:30 am – 12:30 pm – Lunch “Tech Talks” (facilitated round tables of specific topics in 30 minute increments)

12:30 pm – 1:00 pm – Report Out and adjourn – panel discussion

Speaker Bios

Bryan Pickworth, Road Maintenance Supervisor, City of Farmington Hills –MI-DPW



Mr. Pickworth has spent over 28 years as an employee of the City of Farmington Hills. Working up from a laborer to his current position. Bryan is a graduate of Michigan Public Service Institute as well. In 2011, the City of Farmington Hills, MI received the APWA's 2011 National Snow and Ice Control Award. Since then Bryan has served on the APWA's National Snow and Ice subcommittee.

As Road Maintenance Supervisor, Bryan is responsible for overseeing various road maintenance activities. In 2009 he initiated a regional snow and ice control committee where members of area communities meet semiannually to share ideas, techniques, and best management practices related to winter road maintenance. This group is known as South East Michigan Winter Maintenance Team.

R. Mark DeVries, Vaisala Inc, Solutions Manager



Mark serves as a Solution Manager and winter maintenance expert for Vaisala Inc. In his role he serves as a resource that is helping clients/agencies/etc. to improve their operations and works with them to solve problems, offers training opportunities and serves as customer support. Mark is an expert in winter maintenance operations, chemical use including liquid programs and blending liquid de-icers. Mark also serves as a winter maintenance researcher on behalf of Vaisala.

Mark is a renowned presenter and often a keynote speaker. Mark has presented at Snow and Ice seminars all across North American and abroad, many environmental seminars and for various Municipalities across North America. Mark is also internationally known and has traveled several times to Europe, South America, Scandinavia and China. Mark is also an author and has been published in every major industry Magazine, white papers and completed research for Clear Roads.

Mark is the recipient of many awards including, the 2014 APWA Distinguished Service Award, the 2012 APWA Presidential Leadership Award, the 2010 APWA Top Ten Public Works Leader of the year, the 2007 APWA Donald C. Stone Award and the 2006 award of achievement from the APWA. Mark and crew were the recipients of the 2006 APWA Technical innovation award and the National Association of Counties Achievement award for the County's Liquid De-icer Blending System.

Mark serves on numerous committees, he is former Chairman of the National APWA Winter Maintenance Sub-Committee. Member of the AASHTO Winter Maintenance Technical Service Program. A member of the Transportation Research Board (TRB) Winter Maintenance Committee and the TRB Surface Transportation Weather Committee. Member of the APWA Chicago Metro Chapter. Former Trainer for the Illinois Department of Transportation. A member of the APWA Chicago Metro Chapter.

Prior to joining the Vaisala team, Mark was with McHenry County Division of Transportation (retired,) for 30 years where he served as Maintenance Superintendent. Mark still resides in McHenry County where he lives with his wife. He is the father of a son and daughter and has 5 grandchildren. Mark is an avid fisherman and enjoys golf in his spare time.

DW Clonch, LLC Consultants

Diana Clonch, Owner DW Clonch, LLC



Diana has over 35 years of experience in public works with a diverse background in operations and management and snow and ice control at the county, city and state levels. Diana has spent many years working with local and national groups promoting the advancement and application of best practices and innovative technology within operations and snow and ice control. Since retiring from the public works system in 2012, Diana has been providing consulting services focusing on management, operations, snow and ice control training, and innovative technologies. Diana holds an Associate degree in Civil Engineering, and an undergraduate and Master's in Business. Diana serves on the Board of Directors for the Ohio Chapter American Public Works Association (APWA) State Board, an original founding and longtime member of the National APWA Winter Maintenance Sub-committee, a member of the TRB Maintenance & Operations Personnel Committee and Winter Maintenance Committee and an active member of the Snow and Ice Management Association (SIMA). Diana is a recent recipient of the 2019 National APWA Top Ten Leader of the Year award.

Diane Watkins, Consultant DW Clonch, LLC



Diane retired after 30 years with the City of Cincinnati as the Superintendent of Traffic and Roads Division. Her agency was charged with providing safe roads and was responsible for street and traffic control construction and maintenance; emergency response including snow and ice control, landslides, floods; and fleet management for the Department. Through her leadership many advances were made in the agency's work programs including the winter maintenance program by utilizing industry best practices and new technologies resulting in increased level of service with diminishing resources. She remains committed to assisting agencies in providing safe roads and reach their winter program goals in retirement. She continues to serve in Director and Officer positions in the Ohio APWA Chapter as well as the local Branch.