

“Sneak Peek”
**APWA Winter Maintenance Supervisor
Certificate Program**

Agenda

- History – why we developed it and who we developed it for
- Content – About the workshop and what we cover
- Why a test?
- Success – How we deliver it and how well it has done
- Revisions – Keeping it current
- Why you should attend

A Little History

- Started developing it in 1999
- Winter maintenance committee
- Started a program prior to the national one in McHenry County



A Little History

- First workshop in Spokane in 2011
- On a Sunday at the snow conference (hoped for 50 attendees!)



History – why we developed it and who we developed it for



Content - Then

Section Topics and Presenters

- Policy & Planning :** Wilf Nixon, PE, PhD & Phil Anderle
- Weather :** Jon Tarleton
- Materials :** Wilf Nixon, PE, PhD & Larry Schneider
- Equipment :** Bret Hodne & William (Pat) Kennedy, PE
- Snow Control :** Bret Hodne & Jerry Pickett
- Ice Control :** Mark DeVries



Introduction

WINTER MAINTENANCE SUPERVISOR CERTIFICATE COURSE



Content - Now

Introduction

1. Policy & Planning

2. Weather

3. Materials

4. Equipment & Fleet

5. Snow & Ice Control



Content

Policy and Planning

- Develop Well-defined Levels of Service
- Improve Resource Allocation
- Determine the Reasons & Benefits for Having a Comprehensive Winter Operations Plan
- Incorporate Sustainability Measures

Weather

- Understand Weather Terminology And Get The Most Out Of The Weather Forecasts And Observations
- Predict, Analyze, and Identify And Be Able to Use Weather Data to Perform Decision Making Effectively and Efficiently
- Gain the Understanding to Use Weather Forecasts from Various Sources to Benefit Your Operations
- Apply Technologies In An Effective And Timely Manner Now And In Future Planning

Content

Materials

- Why Chemicals Are Used
- Factors to Be Considered In Selecting Materials
- Environmental Impacts of the Use &
- Non-use
- Appropriate Storage & Handling Methods

Equipment

- Determine needs and stakeholders when purchasing equipment.
- Review equipment options and technology to fit your needs.
- Provide overview of new technologies and standards as they apply to equipment.
- Explain the importance of proper maintenance and inspection of equipment.
- Define how fleet and operations can work together to achieve success.
- Examine the requirements to obtain a CDL and other licensing options.

Content

Snow and Ice Control

- Review Basic Snowfighting Standards & Procedures
- Explain Pro-active Measures Used In Ice Control Operations
- Encourage Modern Snowfighting Technologies and Ice Control Measures
- Discuss the Benefits of Proper Procedures & Applications In Ice Control, Including the Importance of Calibrating Equipment

Wrap up and What now

- THE BIG “Now What”?
- Wrap Up & Questions

Why the Test?

- In order to give a certificate and PDH hours APWA required we give a test
- It is an open book and attendees can complete each section after the conclusion of that section.
- It is meant to ensure attendees captured the key points and messages of the workshop and attended the entire program

Winter Maintenance Supervisor Certificate

Alaska DOT&PF, August 28-29, 2024

Name: _____
Agency/ Company: _____
Street Address: _____
City, State, Zip _____
Email: _____

SECTION 1 - PLANNING AND POLICY

- 1) A written Winter Operations Plan states the reason and authority for snow and ice control
 - a) True
 - b) False
- 2) "Level of Service" for snow and ice control means:
 - a) Condition of the pavement surface at different times during and after a storm
 - b) How many trucks on the street
 - c) How much salt to spread
 - d) Number of donuts eaten by plow operators on a shift
- 3) Resource Allocation includes:
 - a) Personnel
 - b) Equipment
 - c) Materials
 - d) All of these items
- 4) An agency can help reduce liability exposure by:
 - a) Being proactive
 - b) Having a written, reasonable plan
 - c) Keeping complete and accurate records of operations
 - d) All of these items
- 5) What is your responsibility regarding sustainability?
 - a) My duties do not impact the environment
 - b) Chemicals have very little impact on the environment
 - c) It's in everyone's best interest if we work to reduce the environmental impacts
 - d) None of the above

How we delivery it

All our workshops are done by committee members and volunteers.

All have been part of the production or review of the program

All are the highest professionals and experts in the subjects



Michigan Winter Operations Conference



Keeping it current

- Each spring we meet to update the programs
- We edit the content and work to have the most current programs and practices.
- We edit and update pictures and videos
- We make it a point to empathize best practices and sustainable solutions



Program success

- Both small and large workshops.
- Over 7000 have gone through the supervisors by the end of 2024. Combined with the Operators we are over 11K and perhaps closer to 12 K
- We are doing 11 or 12 workshops/year. Many want both programs and multiple locations.



Why should you attend

- It's a fantastic program.
- Many say its bee the best training they have ever been in.
- You will come away with new ideas for your agency
- You are taught by the best and we have fun delivering the program



Thank You

Questions