

MICHIGAN WINTER MAINTENANCE TRAINING WORKSHOP

BEST PRACTICES TO ENSURE SAFE ROADS AND
REDUCE ENVIRONMENTAL IMPACTS

Workshop Dates and Locations

Choose one of the three locations

Grand Haven, MI

July 9, 2013

9am—2pm

Grand Haven Community Center
421 Columbus St.

Grand Haven, MI 49417

[Directions](#)

Grand Rapids, MI

July 10, 2013

9am—2pm

Kent County Road Commission
4949 S Complex Drive Southeast

Grand Rapids, MI 49512

[Directions](#)

East Lansing, MI

July 11, 2013

9am—2pm

152 Natural Resources Bldg.
480 Wilson Rd.

Michigan State University
East Lansing, MI 48823

[Directions](#)

REGISTER AT:

www.iwr.msu.edu/miwintermaintenance



Introduction

The purpose of this workshop is to discuss the tools, best practices, and limitations for snow and ice control in rural and urbanizing communities in Michigan. If you want to improve your winter maintenance operations, save money, and protect the waters of the state, you should attend this training:

Topics to be Covered

Topics will include salt and snow storage, anti-icing, de-icing, calibration, how chemicals work, integrating liquids into your winter maintenance program, Michigan success stories; and environmental protection.

Attendance

This in-depth training session is intended for winter road maintenance operators, supervisors and managers at city, county and state levels as well as business and industry representatives. The training course is free. Participants should select one of the three workshops (listed on the left). Each participant a free copy of a new manual on Winter Road Maintenance and a Certificate of Completion for attending and passing the training.

Registration

There is no charge to attend, however, advanced registration is required. You can register at:

www.iwr.msu.edu/miwintermaintenance or by calling (517) 353-9222. An optional lunch is available for \$7.50 (Lunch deadline is July 2, 2013).

Presenters

The presenters for this training workshop include Connie Fortin of Fortin Consulting in St. Paul, MN; and Mark Crouch, Matt Pratt, and Tim Croze from the Michigan Department of Transportation, Lansing, Michigan.

Sponsors

The workshop is sponsored by Michigan State University Extension, the MSU Institute of Water Research, the Great Lakes Regional Water Program, the Ottawa County Planning Department, and the Michigan Department of Transportation. For further information, contact: Carlos Garcia-Salazar at garcias4@anr.msu.edu for the July 9 or 10 sessions or Dr. Lois Wolfson at wolfsonl@msu.edu for the July 11 session.

MICHIGAN STATE
UNIVERSITY

Extension



MSU is an affirmative-action, equal-opportunity employer, committed to achieving excellence through a diverse workforce and inclusive culture that encourages all people to reach their full potential. Michigan State University Extension programs and materials are open to all without regard to race, color, national origin, gender, gender identity, religion, age, height, weight, disability, political beliefs, sexual orientation, marital status, family status or veteran status. Issued in furtherance of MSU Extension work, acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture, Thomas G. Coon, Director, MSU Extension, East Lansing, MI 48824. This information is for educational purposes only. Reference to commercial products or trade names does not imply endorsement by MSU Extension or bias against those not mentioned.

Michigan Winter Maintenance of Roads Training Workshop

Three Locations: Grand Haven, July 9; Grand Rapids, July 10; and East Lansing, July 11

Trainers : Connie Fortin – Fortin Consulting, Minneapolis, MN
Tim Croze, Matt Pratt, and Mark Crouch, Michigan Department of Transportation

9:00 WELCOME

9:10 BACKGROUND INFORMATION

- State of our lakes and rivers
- Impacts of salt and sand
- Power of winter maintenance professionals

10:00 PREPARE for WINTER

- Policy
- Storage
- Weather
- Calibration

10:40 BREAK

10:50 PREPARE for WINTER (continued)

- How salt works
- Selection of materials

11:15 RATES

- De-icing
- Application rates
- Rate reduction exercise

12:15 Lunch

12:45 TAKE ACTION

- Anti-icing concept
- Anti-icing rates
- Integrating Liquids in de-icing

1:15 EVALUATE What Worked

- Class exercise (either toxicity or BMP)
- After the storm
- Materials testing and quality assurance

1:30 RESOURCES AND EVALUATION

1:45 Michigan Test (Optional)

2:00 Adjourn