



Highway Maintenance Manual

Bureau of Highway Maintenance

Chapter 06 Winter Maintenance

August 2026

Section 20 Snow Removal Materials

Subject 40 Equipment - General

1.0 Equipment, General

Wisconsin is dedicated to researching ways to better manage and improve efficiency of winter maintenance. Here are some examples of the past efforts that have been made or implemented.

- Use of ground speed controllers
- Automated pre-wetting and direct liquid applications
- Use of tow-plows
- Use of high-capacity brine makers to increase usage
- Maintenance Decision Support System (MDSS) and its reporting
- Use of Automatic Vehicle Location – Global Positioning Satellite (AVL/GPS) and its reporting

The unique partnership between the counties and the department enables ongoing evaluation and research into new equipment, materials, and techniques. Counties and other service providers are encouraged to experiment with new equipment, materials, and techniques in cooperation with the regions and the Bureau of Highway Maintenance. Experiences learned in these trials can then be shared with other counties or service providers.