



Maintenance Research Bulletin

NTREC New Technology Research Equipment Committee
MOR Maintenance Operations Research

January 2010

Upcoming Events

9th Annual Road Salt Symposium

Crown Plaza Hotel, Brooklyn Park
February 3, 2010

56th Annual Asphalt Conference
Northland Inn, Brooklyn Park
February 11, 2010

ATSSA

“How To” Training and Education
Workshop
Ramada Plaza Suites
Fargo, North Dakota
March 16-17, 2010

CTS Transportation Research Conference

River Centre, St Paul
April 27-28, 2010

Spring Maintenance and Training Expo
St. Cloud Civic Center
April 20-21, 2010

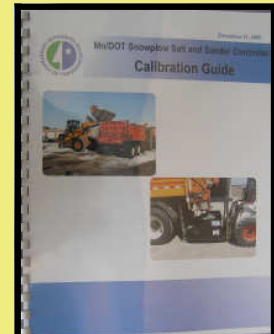
Maintenance Research Website

<http://www.dot.state.mn.us/maint/research.html>

Comments? Questions?
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Mn/DOT Snowplow Salt and Sander Controller Calibration Guide

The purpose of this guide is to provide easy-to-use steps for calibrating snowplow salt and sander controllers. It is an experience based guide that captures tips and techniques learned by experienced calibrators. It covers the DICKEY-john ICS 2000 and DICKEY-john Control Point controllers. It covers both calibration and verification. It suggests calibration approaches for both closed-loop and open-loop systems. The guide includes both detailed step-by-step instructions with graphics as well as one-pager "Quick Calibration Sheets". It also includes a discussion on techniques used for weighing materials, calibration forms, and calibration troubleshooting.



This research project was funded by Research Services Section because Maintenance has adopted the annual Calibration as a best practice. It was a collaborative effort between Central Office Maintenance and the eight district offices to address their calibration needs. As part of this project a limited number of calibration scales were implemented and a total of nine training sessions were completed.

Thanks to all the individuals for contributing their time and knowledge to this project and the development of this guide.

Hope it is helping this winter

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