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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