Aurora is an international partnership of public agencies who work together to perform collaborative research activities, development, advocacy, and deployment in the area of road weather information systems (RWIS).
Active Participants
Affiliates/Partners

- National Center for Atmospheric Research (NCAR)
- Meteorological Service of Canada
- Swedish Meteorological and Hydrological Institute
- Penn State University
- University of North Dakota
- University of Minnesota
- University of Wisconsin – Madison
- University of Wisconsin – Milwaukee
- Purdue University
- Massachusetts Institute of Technology
- Iowa State University
- Ohio University
- University of Waterloo
- University of Gotenburg
- University of Utah
Ongoing Projects

- 21 Ongoing Projects, covering areas of:
  - Equipment Evaluation
  - Standards / Architecture
  - Site Operations / Quality Assurance
  - Information Outreach
  - Decision Support / Modeling
  - Road Condition Monitoring

Reviewed during “project updates” portion of each board meeting
Key Ongoing Projects

- 2011 National Winter Maintenance Peer Exchange
- Development of a National Road Weather Testing Program
- Enhancements of AI/RWIS CBT
- Mobile Weather Data Collection Guidelines
- Multiple-Use ITS Data Collection Practices
- RWIS Equipment Monitoring System, Phase 2
- RWIS Sensor Density Grid
- Support of the Clarus Initiative
- Study of MDSS Costs
Aurora Program Web Site:
www.aurora-program.org

Aurora Program Chair:
Joe Doherty, New York State DOT
Mike Adams
Weather Management Solutions
Wisconsin DOT
What is Clear Roads?

National research program focused on winter highway operations

FHWA Pooled fund project #TPF-5(218)
Clear Roads

Applied research for winter maintenance

Rigorous testing of winter maintenance materials, equipment and methods

Emphasis on field testing, practical applications and usable results
What Do We Do

Research Projects
Partnership Projects
Transportation Synthesis Reports
Reports and Website
Recently Completed Projects

• Development of Interface Specifications for Mobile Data Platforms on DOT Vehicles
• Toolkit for cost-benefit analysis of specific winter maintenance practices, equipment, and operations
• Effective implementation of liquid-only plow routes
• Standardized procedures for evaluating deicing chemicals
Partnership Projects

National Winter Maintenance Peer Exchange

National Winter Safety Campaign

Computer-Based Training

Snowplow Design Project
Contact:
Paul Brown, Massachusetts Highway Department
(617) 973-7792