FAST SYSTEMS

A LOOK AT AUTOMATED ANTI-ICING SYSTEMS

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WWW.BOSCHUNGAMERICA.COM
COMPANY OVERVIEW

- Partner of Boschung Group in Switzerland
- 70 Years of Manufacturing Experience
- Innovating sensor technology since 1978
- 2000+ RWIS deployed worldwide
- Over 250 FAST systems worldwide
- 50 FAST systems in North America
- Boschung America - Established 2002
  - Engineering
  - Project Management
  - Sales & Marketing
  - Technical Maintenance
  - Information Technology

Leading provider of Advance Weather Technology for Roadways
SOLUTIONS OVERVIEW

- Road Weather Information
- Fixed Automated Spray Technology
- Automatic Vehicle Location
- Maintenance Decision Support

Monitor, Predict, Plan, Act
WHAT IS FAST

Fixed Automated Spray Technology

A Scientific Approach

Based on RWIS measurements of critical factors and other variables, accurately predict and prevent icing by automating the delivery of anti-icing solution, which artificially lowers the freeze point of liquid on the pavement surface.

Intelligent Roads & Bridges
BENEFITS OF FAST

- Increase Safety
- Reduce Liability
- Reduce Chemical Usage
- Efficiently Deliver Liquid Anti-Icing Solution
  - Improve effective range of ice protection
  - Increase infrastructure Life Span
  - Reduce Environmental Impact
Nebraska Department of Roads has deployed six fixed automated spray systems (FAST) on I-80, the most highly traveled interstate in the United States. This critical trucking route is essential to the economy of NE and the US. The FAST systems ensure the interstate remains open by keeping 16 critical bridges ice free during inclement weather by automatically delivering anti-icing chemical before the bridges freeze. NDOR plans to add several more.