Safety Improvement Needs

1. Railroad crossing advance warning
2. Visibility loss due to fog and snow blowing

PROPOSED SOLUTIONS:
- Intelligent Transportation Systems (ITS)
  - Closed Circuit Television Camera (CCTV)
  - Dynamic Message Sign (DMS)
  - Road Weather Information System (RWIS) with Visibility Sensors for fog detection

Photo via North Dakota Dept. of Transportation
Training Needs

1. Special Event Management
2. Traffic Incident Management

South Dakota State University | University Athletics | Swiftel Events Center | Brookings Summer Arts Festival

TIM response team onsite for loose cattle herding
Overturned truck on the interstate blocking all lanes

Photo via South Dakota State University, www.gojacks.com
**Potential ITS Devices**

**Legend**
- Proposed CCTV
- Proposed Small DMS
- Proposed RWIS
- Railroad Crossing
- Existing Large DMS

**ITS DEVICE BENEFITS:**

**CCTV:**
Real-Time Traffic Monitoring

**DMS:**
Advance Warning for Travel Conditions

**RWIS:**
Road Condition Traveler Information and O&M Planning

**Visibility Sensor:**
Fog Detection