

Safety Improvement Needs

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

*Non-gated railroad crossing
(mile marker 415.9) between
Volga and Brookings*



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

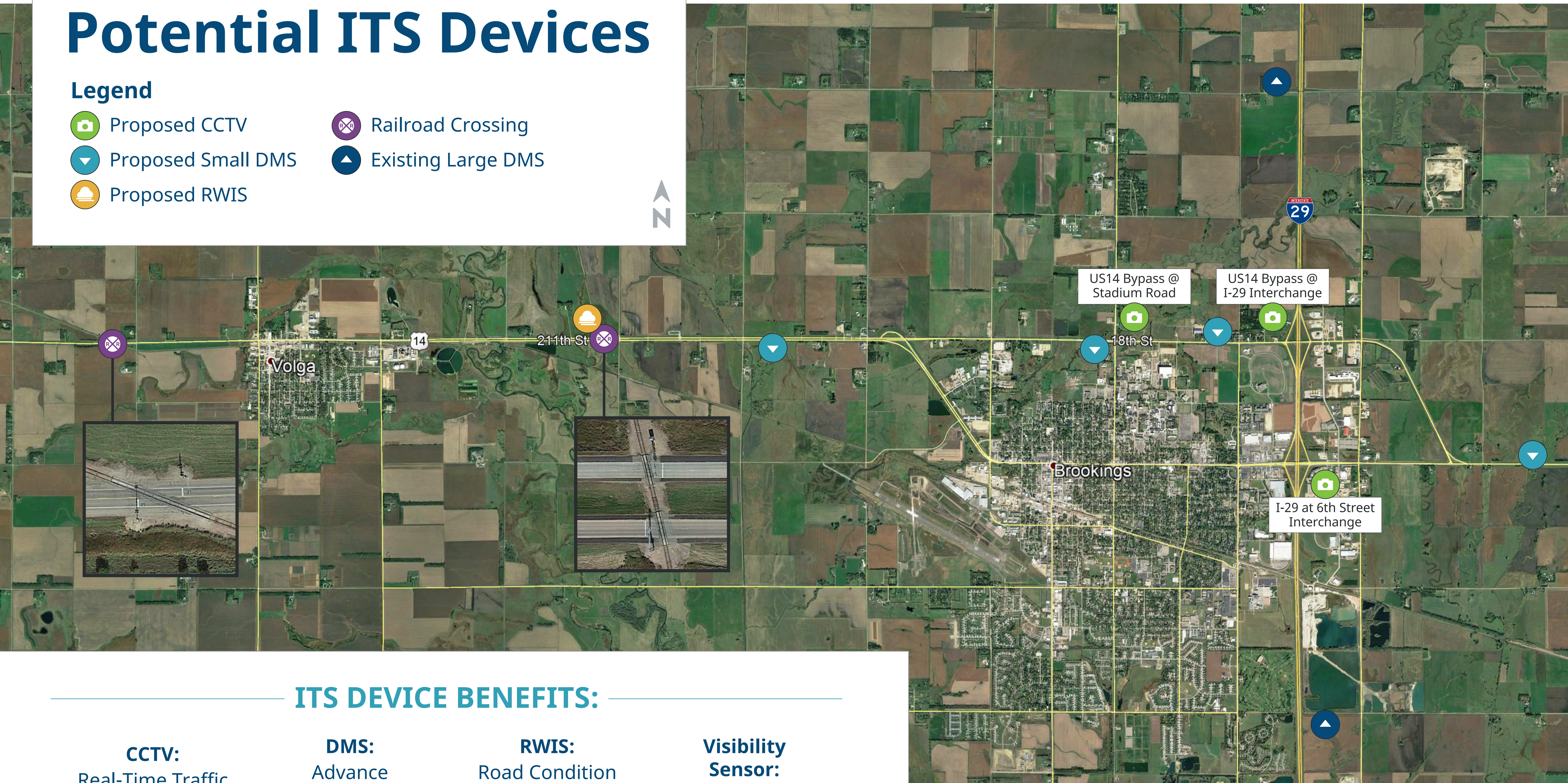


Photo via South Dakota State University, www.gojacks.com

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