

Snow and Ice Preparations

**State Maintenance Engineer
Eric Pitts , P.E.**

October 20, 2011



January 2011 Winter Weather Event



District 7 Intergovernmental Meeting January 28th, 2011

Discussion Topics

- **Snow and Ice Plans**
- **Priority Routes**
- **Coordination**
- **Communication**
- **Route Condition**
- **Materials**
- **Equipment**
- **Lessons Learned**
- **Emergency Response & Law Enforcement**
- **Equipment Demonstration**
- **Open Discussion**
- **Tours of TMC and GEMA - SOC**

Intergovernmental Coordination Meetings

- **ARC on April 8, 2011**
 - Lessons learned
 - Coordination of Efforts
- **Second Intergovernmental Coordination meeting on September 13, 2011**
 - Met at Cobb County TMC
 - All ARC Governments invited
- **Third Intergovernmental Coordination meeting scheduled for November 15, 2011**

Identified Equipment Needs



Identified Equipment Needs



Identified Equipment Needs



Liquid De-Icer
Storage Tanks

Identified Equipment Needs

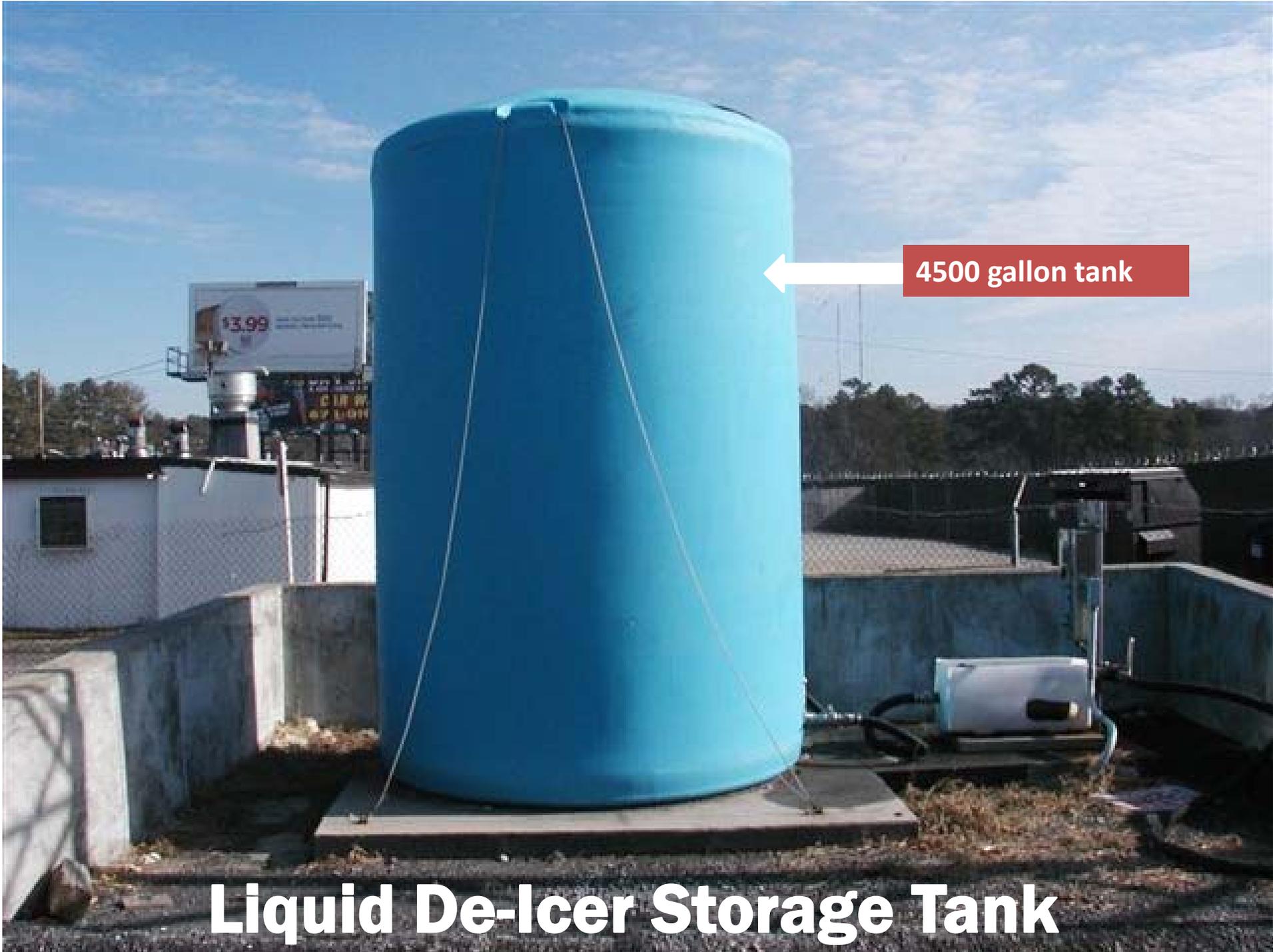
Equipment for Material Application



Identified Equipment Needs

Liquid De-Icer Equipment Application





4500 gallon tank

Liquid De-Icer Storage Tank

Identified Equipment Needs

New Salt Storage Facilities



What's Been Done...EOC Application



What's Been Done...

- **Contractor Assistance**
 - **SR 30 - urged to prepare a list of contractors to be utilized during weather emergencies**
 - **Worked with Highway Contractors Association**
 - **10 Contractors that have signed agreements**

What's Been Done...

- **Peer Exchange**
 - **Lessons learned in Kansas and Montana**
 - **Materials, equipment, communications**

What's Been Done...

- **More defined Winter Weather Goals**
 - **Provide bare pavement or adequate traction on road surfaces**
 - **Keep traffic moving in a safe and uninterrupted manner**
 - **Provide statewide uniformity of pavement conditions**
 - **Consider economic and environmental factors while achieving safe driving conditions**

Storm Definitions

Level 1 Storm – Minor snow fall predicted – isolated icing, short duration (24 hours or less)

Level 2 Storm – Moderate Snow Fall (<2 inches) and /or icy conditions with 25 – 48 hour duration

Level 3 Storm – Heavy Snow fall (>2 inches) and/or major icing conditions with over 48 hour duration

What's Been Done...

- **Inter - Agency Assistance**
 - **GEMA**
 - **GSP**

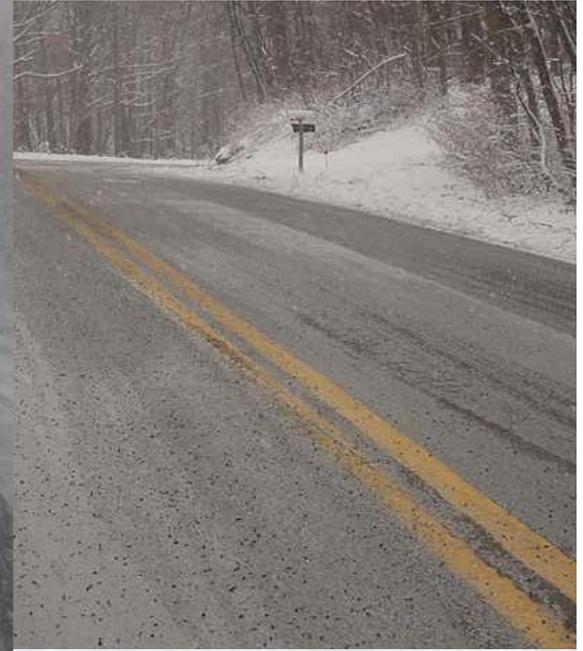
What's Been Done...

- **Procedural Changes**
 - **Liquid De-Icer**
 - **Pre-icing (application prior to a winter storm)**
 - **De-icing (apply during and after a winter storm)**
 - **Pre-wetting of bulk salt (this application helps to reduce amount of salt needed)**

Preparing for the Next Storm

- **Policy Changes**

- **Maintain 2 Lanes in passable condition on the Interstate**
- **Interstate Routes are our highest priority**
- **Use of pretreatment**
- **Ability to close roads including interstates**
- **Sharing Material with Locals**



Preparing for the Next Storm

- **Procedural Changes**
 - **Non Interstate Route Priorities**
 - **Reviewed Emergency service concerns with Local Governments**
 - **Utilize Contractor Forces**
 - **Local Governments assisting**
 - **Message Boards will be activated warning motorist of road conditions**
 - **Commercial Vehicles will be advised to stay out of Metro Atlanta**

Preparing for the Next Storm

- **Shifting Crews**
 - **Additional Plows and Spreaders from South GA**
 - **Crews from Middle GA**
 - **Utilize all State Resources**
- **Dry Run in all Districts**
- **Inviting Local Governments to participate**
- **Additional training for employees**
- **Safety focus**

Preparing for the Next Storm

- **Improved Communication**
 - **Vehicle to Operation Center**
 - **Phones to allow better, more consistent communication**

Winter Weather Web Page



- Traveling in Georgia
 - Bicycle & Pedestrian Programs
 - Bridges
 - Express Lanes
 - Federal Roads
 - Hurricane Information
 - Interstate Exit Numbers
 - Park & Ride
 - Rail
 - Ramp Meters
 - Rest Areas
 - Scenic Byways
 - Traffic Control
 - Transit Services
 - Travel Information
 - Welcome Centers

Severe Weather

Georgia DOT is ready and equipped to manage the impact of winter weather, hurricanes, floods and other instances of severe weather on our state highway system. This site will help keep travelers informed about Georgia DOT's efforts to keep our roadways safe and operational during severe weather.



Georgia DOT is prepared and equipped to handle any winter weather conditions that impact our state highway system. Visit [Georgia Navigator 511](#) or dial 5-1-1 for free real-time traffic and travel information during a winter weather event.

Winter Weather

Georgia DOT is ready to handle any winter weather conditions that impact our state highway system.

[» Learn More](#)

Hurricanes

GDOT provides evacuation maps and tips for travelers and residents during hurricane season.

[» Learn More](#)

Floods/Wildfires

Georgia DOT has the latest information on the impact of floods and wildfires have on our state highway system.

[» Learn More](#)

Get Real-Time Travel Information
Visit [Georgia Navigator 511](#) for the latest information on travel and road conditions. Travelers can also dial 5-1-1 to receive travel information or request assistance.

Stay Connected!
Access travel information on your terms.

- Quick Links**
- Active Projects
 - Drivers License
 - Employment
 - Georgia Navigator/511
 - Peach Pass
 - Permits
 - Roundabouts
 - Tag and Title
 - Traffic Data
 - Transportation Explorer (TRES)
 - Work Zone Safety



Updates on Facebook

(1) Georgia Department of Transportation

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I-85 EXPRESS LANES Express Lanes Now Open **LEARN MORE**

WEEKEND LANE CLOSURE & SPECIAL EVENT REPORTS **VIEW REPORTS**

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TRAVEL INFORMATION	TRANSPORTATION PROJECTS	PROGRAMS & STUDIES
PLAN AHEAD with Weekend Lane Closure and Special Event Reports GO	Find GDOT projects in your area View major projects currently underway GO	Road Improvement Programs Environmental Programs Strategic Planning Safety Programs & more GO

NAVIGATOR VIEW TRAFFIC CONDITIONS IN REAL TIME AT WWW.511GA.ORG **511**

Admins (3) See All

- Use Facebook as Georgia Department of Transportation
- Notifications
- Promote with an Ad
- View Insights
- Invite Friends

You and Georgia Department of Transportation

- Jeff Hill likes this.
- 1 friend worked here.
- The Clean Air Campaign, Georgia GOHS, Georgia Navigator 511

Recommendations (2) See All

- Roneice Buckner-Bradley I liked your page only to say you animals are a bunch money grubbing mongers who... See More

Write a recommendation...

Quick Tips
Get more people to like your Page with Facebook Ads today!

Sample Ad: Georgia Department...
Your ad text here.

Like Georgia **Chat (1)**

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Updates on Twitter

The screenshot shows the Twitter profile for Georgia DOT (@GADeptofTrans). The profile includes a header with the Twitter logo, a search bar, and navigation links like 'Page', 'Safety', and 'Tools'. The profile picture is a building with 'GDOT' on it. The bio reads: '@GADeptofTrans Atlanta, Georgia. Welcome to the Georgia DOT's Twitter site. Check with us for the latest updates on how we work to maintain and improve our state's transportation network. http://www.dot.ga.gov'. Below the bio is a '+ Follow' button and a text follow instruction: 'Text follow GADeptofTrans to 40404 in the United States'. The main content area shows a list of tweets from @GADeptofTrans, including updates about investment lists, board agendas, and strategic directions. On the right, there is a yellow sidebar with a sign-up form titled 'Stay in touch with Georgia DOT' and an 'About @GADeptofTrans' section showing 381 tweets, 0 following, 245 followers, and 13 listed.

Georgia DOT (gadepoftrans) on Twitter

twitter Search Have an account? Sign in

Georgia DOT
@GADeptofTrans Atlanta, Georgia
Welcome to the Georgia DOT's Twitter site. Check with us for the latest updates on how we work to maintain and improve our state's transportation network.
<http://www.dot.ga.gov>

+ Follow Text follow GADeptofTrans to 40404 in the United States

Tweets Favorites Following Followers Lists

GADeptofTrans Georgia DOT
Final Investment List and Reports Now Available
<fb.me/1cUzyQGQR>
4 hours ago

GADeptofTrans Georgia DOT
The October 2011 State Transportation Board agenda is now available. The Transportation Board meeting is... <fb.me/12f9hbn7b>
12 Oct

GADeptofTrans Georgia DOT
View the Transportation Asset Management Strategic Direction
<fb.me/Vqj6p8oZ>
12 Oct

GADeptofTrans Georgia DOT
The Georgia DOT FY 2012 Strategic Plan Update Now Available
<fb.me/N9sUC8Kp>
12 Oct

GADeptofTrans Georgia DOT
The Fall 2011 Georgia Milepost Magazine is Now Availabe
<fb.me/13SwZHSM>
12 Oct

GADeptofTrans Georgia DOT
The 2011 Georgia DOT Fact Book is Now Available

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Password
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About @GADeptofTrans
381 Tweets 0 Following 245 Followers 13 Listed
About Help Blog Status Jobs Terms Privacy Advertisers
Businesses Media Developers Resources © 2011 Twitter

Managing Expectations

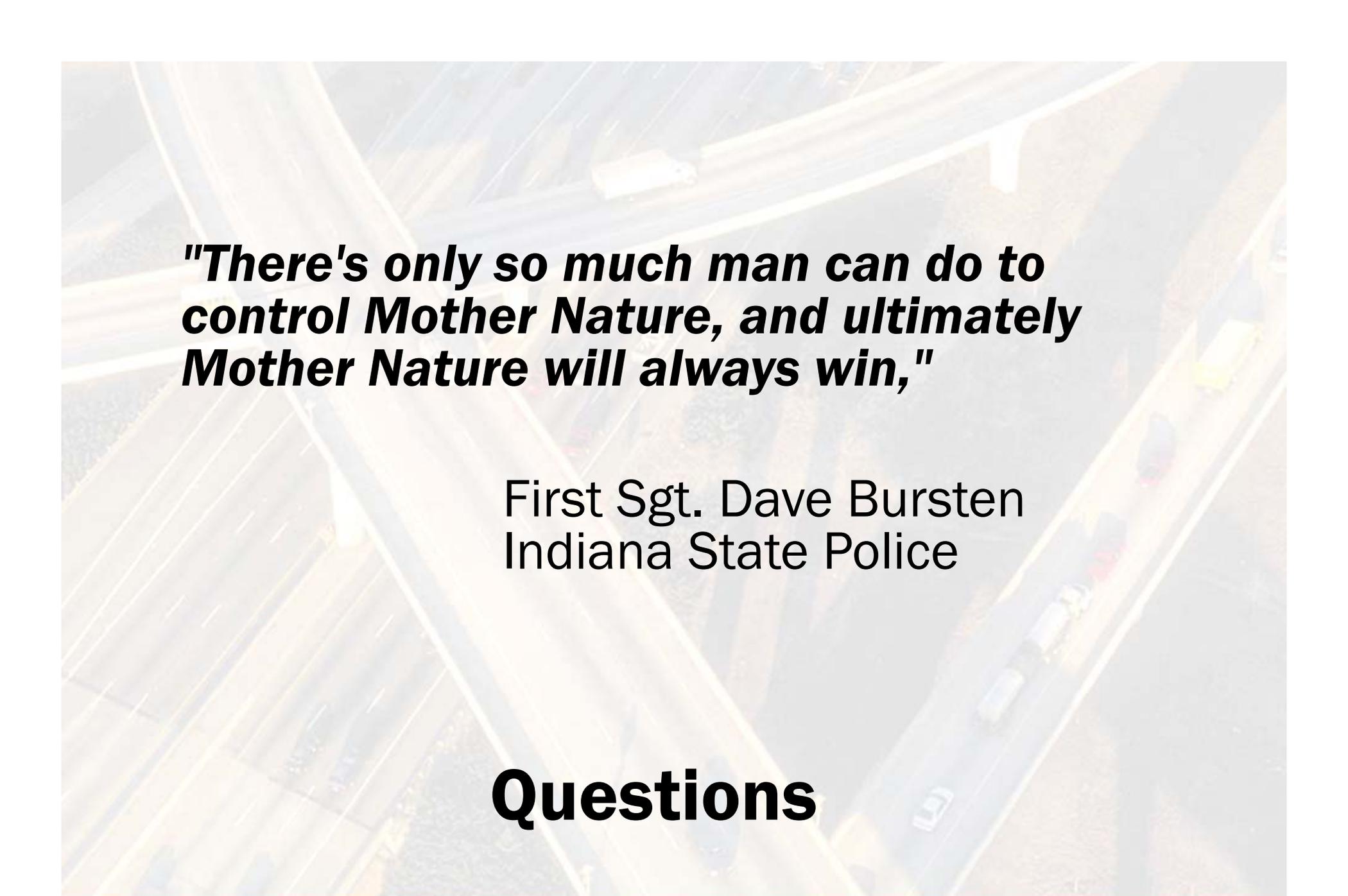


Managing Expectations

- **Shift Changes Occur**
- **Equipment Maintenance**
- **Headlines told the story**
 - ***Snowstorm clogs traffic, closes businesses and schools in Northeast – FOX NEWS***
 - ***Massive winter storm: Chicago socked by blizzard; millions could be affected - CNN***
 - ***New York City issues emergency weather declaration to keep streets clear – CNN***
 - ***Major Calif. Highway Shut by Winter Weather – CBS News***
 - ***Elgin Pulls Plows, Conditions "Simply Too Dangerous"***

Managing Expectations

Illinois Tollway says it has 183 snow plows out working to keep 286 miles of roadway clear of snow and ice.



"There's only so much man can do to control Mother Nature, and ultimately Mother Nature will always win,"

First Sgt. Dave Bursten
Indiana State Police

Questions