



## How has GDOT improved its winter weather response since 2014?

GDOT is often asked what has changed in the many years since the devastating winter storm of January 28, 2014, which stranded thousands of Georgians due to a snow and ice event that made roadways and bridges across Georgia impassible for days.

Following that fateful day - the result of an unpredictable weather system combined with a number of other factors - Georgia's then-Governor Nathan Deal convened a Severe Winter Weather Warning and Preparedness Task Force. The goal of the Task Force was to identify short- and long-term recommendations aimed at better preparing the state's emergency response efforts.

Since 2014, GDOT has greatly improved its winter weather response plans and increased its capabilities. Among many other positive changes, GDOT has exponentially increased the use of brine to pre-treat roadways prior to an anticipated snow and ice event. (Brine is a mixture of salt and water spread across roadways to limit the bonding of ice to the pavement). The department has also added calcium chloride to its arsenal, grown its stocks of gravel and salt on hand, and expanded its fleet of snow removal equipment and vehicles.

While the recommendations of the task force were a catalyst for many changes at GDOT since the 2014 storm, the department has also been diligent about performing detailed assessments following each storm since then in order to continue to identify and address needs to continue to improve its response to every storm. The result has been more than a decade of steady, measurable growth and a complete evolution of GDOT's winter weather response plan. The strategic approach currently deployed by the department reflects significant developments in the department's capabilities in the areas of technology, equipment, staffing, planning, materials, and partnerships.

Further, GDOT now appoints a highly-skilled Assistant State Maintenance Engineer who serves as the coordinator for the department's response to all weather events, emergencies and crises. With support and assistance from thousands of GDOT employees, this critical role oversees GDOT's operations throughout the life of any given weather event or emergency.



For a complete picture of GDOT's current winter weather preparedness, please review the resources available on GDOT's website Scan the QR Code



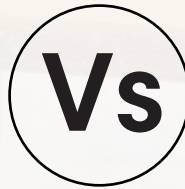
Scan for Winter Weather

# Winter Weather Then & Now

## Materials & Resources 2014

*Statewide*

- 2,130 Employees on call covering  
42,500 Lane Miles
- 22,199 tons of Salt
- 41,953 tons of Gravel
- 70,500 gal. of Brine
- 705 Pieces of Available Equipment



## Materials & Resources 2025

*Statewide (approximately)*

- 1,908 Employees on call covering  
49,525 Lane Miles Interstate & State Routes
- 51,458 tons of Salt
- 47,467 tons of Gravel
- 1,772,700 gal. of Brine
- 138,400 gal. of Calcium Chloride
- 431,490 lbs. of Calcium Chloride (Granular)
- 401 snow Removal Dump Truck Units  
(1 Plow + Spreader + Dump Truck = 1 Dump Truck Unit)
- 56 F-250 Pickups with Plows & Spreaders
- 14 Brine Tractor Trailer Units (5000 Gallon)
- 2 Brine Striker Units (2500 Gallon)
- 9 brine production units and 2 batch units.
- Can Produce 60,000 gal. of Brine per hour,  
Statewide
- GDOT may relocate district resources to the most  
- needed areas during an event