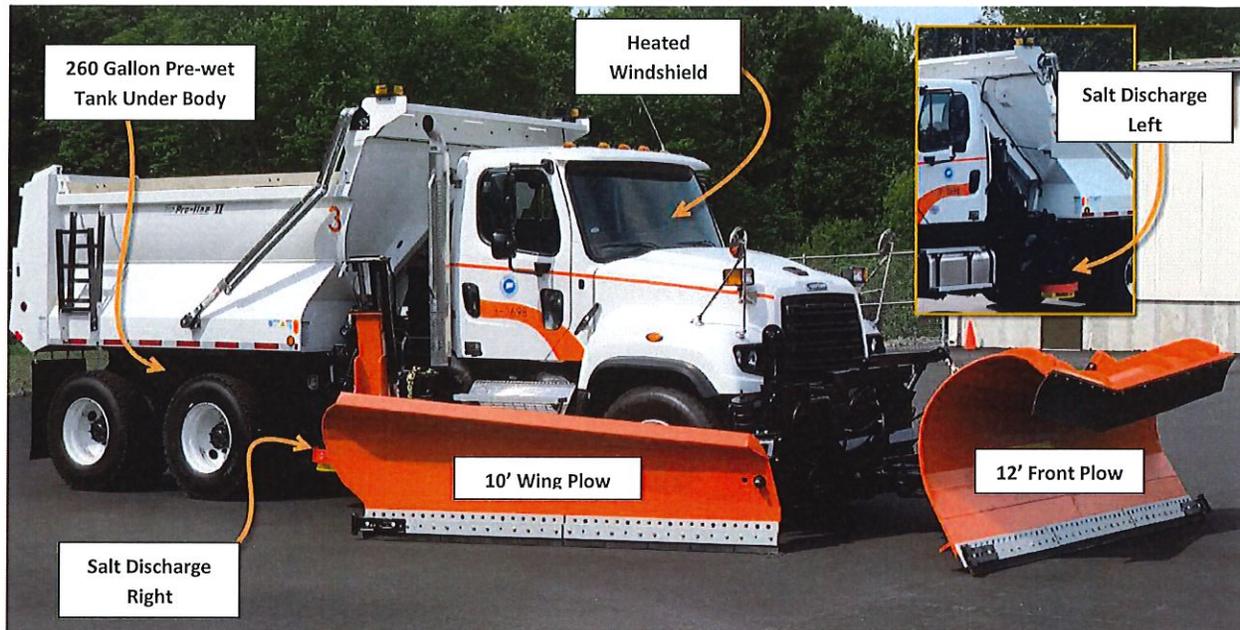


Anatomy of a CTDOT Plow Truck



- **53,800 lb. gross vehicle weight (Tandem)**
- **36,000 lb. gross vehicle weight (Single Axle)**
- **12 ft. reversible front plow can push snow to the right or left of the truck**
 - **Clears 10 ft. of roadway**
- **10 ft. wing plow**
 - **Clears 8 feet of roadway**
 - **Expands the plowing width when used in conjunction with the front plow**
- **14- ft. combination material and dump body**
 - **The body holds dry material (Salt)**
 - **The material is discharged out of body to conveyor system that distributes to the left, right or both discharge spinners**
 - **The application of the dry material is controlled by ground speed based controller in the cab to insure the proper discharge rate regardless of speed**
- **260 gallon pre-wet tanks**
 - **Two 130 gallon tanks store salt brine (23%) or liquid magnesium chloride (30%) which is discharged onto the dry material (salt) as it leaves the combination body**
 - **Liquid initiates the melting process much faster than salt alone and brings the freeze point down to -6 degrees F with liquid magnesium chloride.**
 - **Liquid also helps the salt stick to the road reducing bounce and scatter.**
- **Each snow plow truck has high intensity LED flashing warning light and reflectivity package that provide 360-degree warning around the truck**

Inside the CTDOT Plow Truck



- **The truck has seven hydraulic joy sticks to control the front plow, the wing plow, and to lift the body to spread material.**
- **The hydraulic spreader control is used to regulate how much material (salt and liquid chlorides) the truck is applying to the road surface.**
- **Air/Road temperature gauge provides information to the driver on atmospheric conditions (air temp, ground temp, dew point and relative humidity)**
- **CTDOT tested and evaluated the effectiveness of adding AVL/GPS systems and cameras into snowplow trucks during the winter of 2016/2017**
- **Projected winter 2019/2020 AVL/GPS IMO (integrated mobile observations) project advancement**
 - **AVL/GPS IMO pilot to install and test at Orange and Trumbull Maintenance**
 - **Provides Radar and Weather forecasting information**
 - **Provides material application recommendations**