

WINTER OPERATIONS
SNOW REMOVAL AND ICE CONTROL PROCEDURES
(Includes roads and parking areas)

MANPOWER: The Town of Tuftonboro has One (1) elected Road Agent and he/she is responsible for supplying sufficient personnel to implement the policy.

EQUIPMENT; The Town of Tuftonboro owns 1 six wheel dump truck, the elected Road Agent is responsible in supplying all other equipment necessary to implement the winter policy.

MATERIALS: The department uses approximately 100 tons of rock salt and 2500 cubic yards of sand each season.. The sand is used as an abrasive and is applied to the road to improve the public's motor vehicle traction. Salt is employed by the Department as a de-icing and anti-icing agent. The entire supply of sand is purchased each year and stockpiled inside the Highway Department's building. Rock salt is purchased from a supplier as needed. A limited quantity of approximately 15 tons is stockpiled by the Highway Department.

APPLICATION OF MATERIALS:

A. SAND AND SAND/SALT MIX: Sand will be applied on an as needed basis. The main function of an application of sand will be to assist motorists in obtaining traction on ice or snow covered roads. Town wide sanding applications will not begin until after a storm is over and the clean up is finished. If, during a storm, the plow driver encounters a slippery area the a light application may be applied to assist the motorists. Sand may be mixed with salt, at a rate of 10 parts to 1 part salt, to prevent the freezing of the sand inside the sander bodies. This mixture will also assist the sand in sticking to the ice-covered roadway. Sand will be applied at a rate of approximately 2 yards per mile of road.

B. SALT: Salt may be applied at the beginning of the storm, before plowing operations begin. Salt will be used to stop the formation of ice buildup on the roadways. Salt will only be used on those roads that have a sufficient enough traffic volume to work the brine across the roadway. Salt will be applied at a rate not to exceed 400 pounds per mile. Salt has a lower working limit of approximately 15 to 18 degrees Fahrenheit; therefore no salt will be applied if the outside ambient temperature is below this limit. Other de-icing agents are effective to lower temperatures and salt may be treated with one of these additives if a substantial cold snap is forecasted.

C. MAGNESIUM CHLORIDE: Liquid Magnesium Chloride may be applied prior to a freezing rain storm on the paved roads. Magnesium Chloride is an environmentally safe anti-icing agent that can prohibit the bonding of freezing rain to cold pavement. When application is practical the Highway Department will apply a twelve foot center strip of liquid Magnesium Chloride several hours prior to the storm starting. The Road Agent or his/her designee will make the determination on the application of liquid Magnesium Chloride, after determining that the storm is most likely to produce freezing rain at the start of the storm. The weather conditions will dictate how long this application will last as it will dilute over time and eventually become ineffective. At the time this application becomes ineffective regular treatments of sand/salt mix or straight salt will be continued through out the storm.

COMMUNICATIONS: The majority of equipment is equipped with two-way radios capable of transmitting and receiving on a frequency. Each plow and equipment operator is assigned a unique call number. A list of call numbers is displayed in each piece of equipment or truck. Radios are also maintained at the Highway Department garage. The Town of Tuftonboro highway Department does not use the services of a dispatch center. The Highway Department is equipped with an answering machine.

SCHOOLS: The Highway Department does have the responsibility for the clearing of snow and winter treatment of the Elementary School and parking lots. On days when school is in session, winter maintenance efforts must be timed to coincide with bus routing and delivery.

The school superintendent or designated official representative shall contact the Road Agent to determine the condition of the municipalities roads in order to determine the safety of students using school buses. The school representative(s) shall make the decision to cancel or postpone school for that day.

PLOW ROUTE PRIORITIES: With a total of 48 miles of roads from which to remove snow and control ice, the Highway Department has to assign priorities for winter maintenance route activity in order to maximize the effectiveness of their efforts for the motoring public.

A.. School bus routes will be given a priority during school days. It takes approximately 2 to 3 hours to properly prepare a route for bus traffic; the timing of the storm could have an effect on proper preparation of all routes. Each plow route will make every possible attempt to see that the best possible snow clearance will be completed on their route. The School District shall be responsible for informing the Highway Department to any changes in the normal school routine.

B. The Town Office Building, Police Station, Fire Station, Library and Town house will be maintained best as possible during business hours. Steps and walkways will be maintained by others. Town Office and Police Department staff will have to assist in keeping the steps and walkways clear during working hours. Public safety is a very great concern in this area due to many cars and pedestrians in the area, but our limited resources will dictate our ability to maintain these areas.

C. Public parking areas at the Town Offices, and each municipal department, will be maintained by plowing during the winter storm. The application of slip resistant materials will be applied after the storm as determined to be needed by the Road Agent.

D. Transfer Station/Recycle Center: Transfer station personnel will be required to assist with the Town's general winter maintenance operations. If the facility is open during the snow or ice storm, personnel will plow this area prior to opening for public use. Public areas shall be kept as clear as possible to provide as safe access as reasonably possible. Sand and other slip resistant materials shall be used in public areas. It often will not be possible to maintain clear ground, but a reasonable effort will be made during storms.

DAMAGE TO PRIVATE PROPERTY: Although the Tuftonboro highway Department makes every attempt to avoid damage to private property, it should be noted that the municipality isn't held responsible for damage to private property that is located within the public right of way. The right of way (ROW) is often 50' wide, and is often confused by property owners as their own property. In most cases, the ROW often extends 10 to 20 feet of either side of the paved or grave road. Homeowners often cultivate extensions of their lawns, place mailboxes, erect fences or stonewalls in these areas, which improves the appearance of the street greatly, but is obstructive to good maintenance from being

conducted on the roadway.

In the event of personal property damage, the Town of Tuftonboro will only be responsible to repair or replace damaged property having been in actual contact with the snow removal equipment that is on private property and not within the public right-of-way.

POST STORM OPERATIONS: As determined by the Road Agent, the snow banks resulting from the previous accumulations shall be pushed back, or shelved, using the plow and wing of the truck or other suitable equipment to make space for future snow storms.