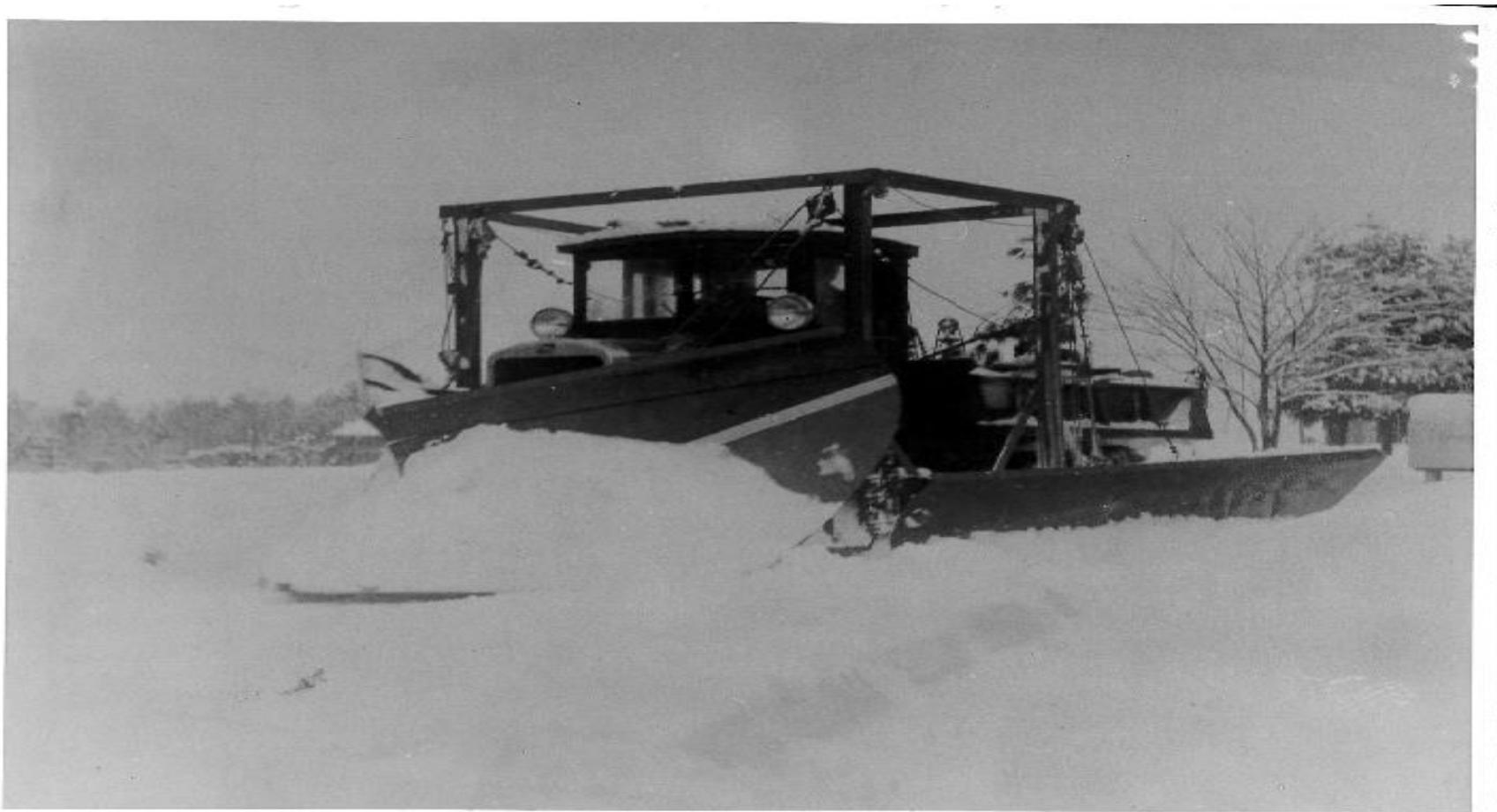
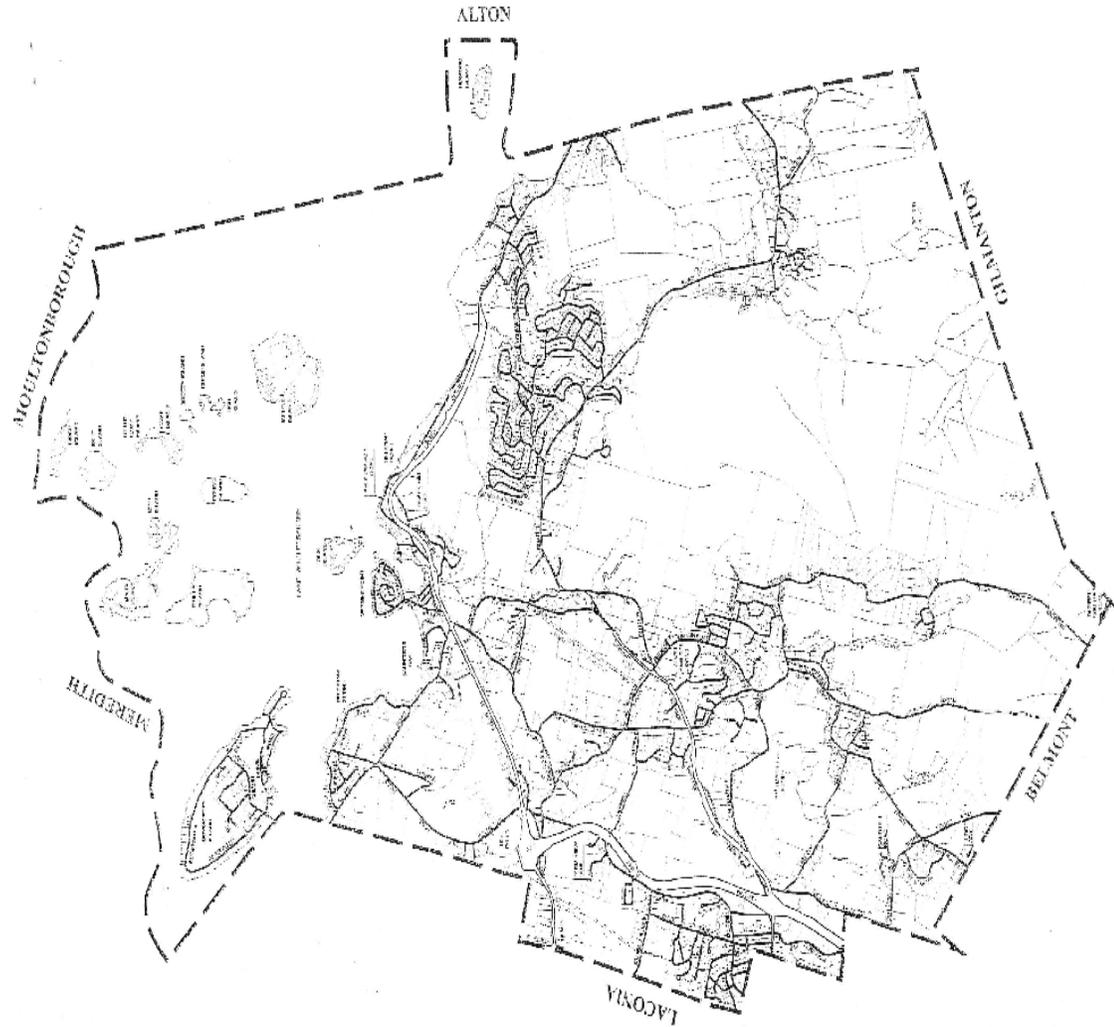


Town of Gilford DPW Snow Presentation



Interesting Facts

- ❖ 180 lane miles
- ❖ 292 streets
- ❖ 53.7 square miles
- ❖ 14 Pieces of equipment
- ❖ 8 plow routes
- ❖ 4,604 Ft. of sidewalks



Factors that Impact a Storm

- ❖ Snowfall amounts and rates
- ❖ Precipitation type: Snow type/sleet/rain
- ❖ Air/ground temperature
- ❖ Wind
- ❖ Flash freezes/icing
- ❖ Timing- Day/night
- ❖ Storm duration
- ❖ Exhaustion
- ❖ Cars parked on the road
- ❖ Equipment breakdowns
- ❖ Staff availability



Management of a Snow Event

- ❖ Review multiple forecasts
- ❖ Determine timing of event
- ❖ May initiate pre-treatment of main roads, hills and intersections depending on air and road temps
- ❖ Treatment (sand/salt) focuses on main roads and hills – not all streets are treated from the beginning of storm
- ❖ Have all available staff in plow routes after 2 inches of snow fall
- ❖ During heavy storms focus will be on primary roads then move to secondary roads
- ❖ Roughly 14 pieces of equipment are used to clear routes



Staffing

- ❖ A core group of individuals work every snow event
- ❖ Snow can last for days and exhausts staff
- ❖ Staff works nights, weekend and holidays
- ❖ Staff that works snow events also work their regular shifts



Plowing facts

- ❖ It takes an average of four to six hours for the plow driver to go through his plow route once
- ❖ During a storm event a driver might have to stop for a break, fuel up, eat, get more material (sand/salt), repair, help a co-worker or assist emergency responders etc.
- ❖ Just because they drive big plow trucks doesn't mean they don't encounter dangerous situations
- ❖ The same staff that is in charge of clearing the roads are also in charge of clearing the parking lots of all municipal buildings, schools, library and community center and more
- ❖ There may be snow left on the roads on purpose to avoid ice forming on the pavement if the precipitation changes sleet/rain
- ❖ Residents may obtain up to two 5 gallon buckets of sand at the Highway department, 55 Cherry Valley Road
- ❖ Snow plowing and clean up will continue in the following days of the storm event
- ❖ Winging snow banks back off the road side keeps melting snow off the roads and refreezing at night causing icy spots

Salt

- ❖ Average salt usage is 900 ton per storm
- ❖ Average sand usage is 150 tons per storm
- ❖ Road salt is not affective below 17 degrees
- ❖ Sand is only applied for traction
- ❖ Active effort to reduce the towns salt usage for environmental reasons



❖ All actions covered in this presentation are subject to change at the discretion of the management at the Department of Public Works.