

Liquids: A Success Story Village of Hanover Park

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Village Statistics

38,000 residents

30 union employees

100 center lane miles of residential roadways

193 cul-de-sacs

2 fire stations

3 commuter parking lots

1 sewage treatment plant

4 well houses

4 miles of bike paths

Average 21 call outs per season, of which 7 are plow events.

History of Pre-wetting and Anti icing in Hanover Park

- * Materials
 - * Calcium Chloride
 - * Salt Brine
 - * Geomelt blend
 - * Future?

Pre-wetting

- * Equipment
 - * Truck Spray system
 - * Tail Gate Tanks
 - * Single Tanks, behind cab
 - * Tandem Saddle Tanks





Pre-Wetting Application Methods

- * Wet Load
- * Spray on Spinner
- * Spray into auger



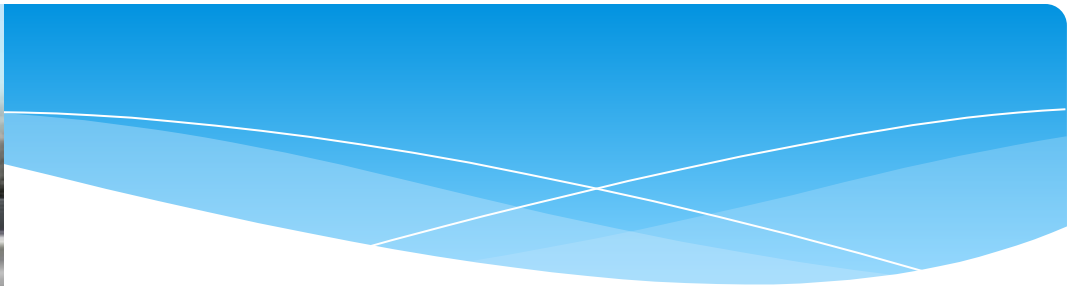
Anti-Icing Methods

- * Where we spray?
- * Hills, Curves, Schools, Stop Sign Intersections.
- * Expanded to Municipal Lots, 2010
- * Expanded to Sidewalks, 2011
- * Streets over 25 MPH

- * When do we spray?
- * What do we spray?
- * Application rates.

Anti-icing Units

- * First Unit– Skid mounted 250 Gallon tank on existing one ton dump
- * Second Truck – Skid Mounted 500 Gallon on an existing one ton dump
- * Sidewalk Sprayer



Material Storage

- * Salt Dome
- * Liquid Tanks



Material Purchase

- * Salt
- * Salt Brine
- * Geomelt

- * Making our own Salt brine
- * Equipment
- * Location
- * Costs



Obstacles

- * Selling to Village Manager
- * Selling to Village Board
- * Acceptance by Elected Officials
- * Acceptance by Public

Shortfalls/Lessons Learned

- * Limited Streets
- * Budget
- * Weather
- * Odor
- * Foaming

Environmental Considerations

- * Chlorides in the Streams
- * West Branch of the DuPage River