

2009/2010 Snow Removal & Ice Control Preparedness



City of Lawrence
PUBLIC WORKS

Executive Summary

12/01/2009

Presented by

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Typical Numbers for Lawrence

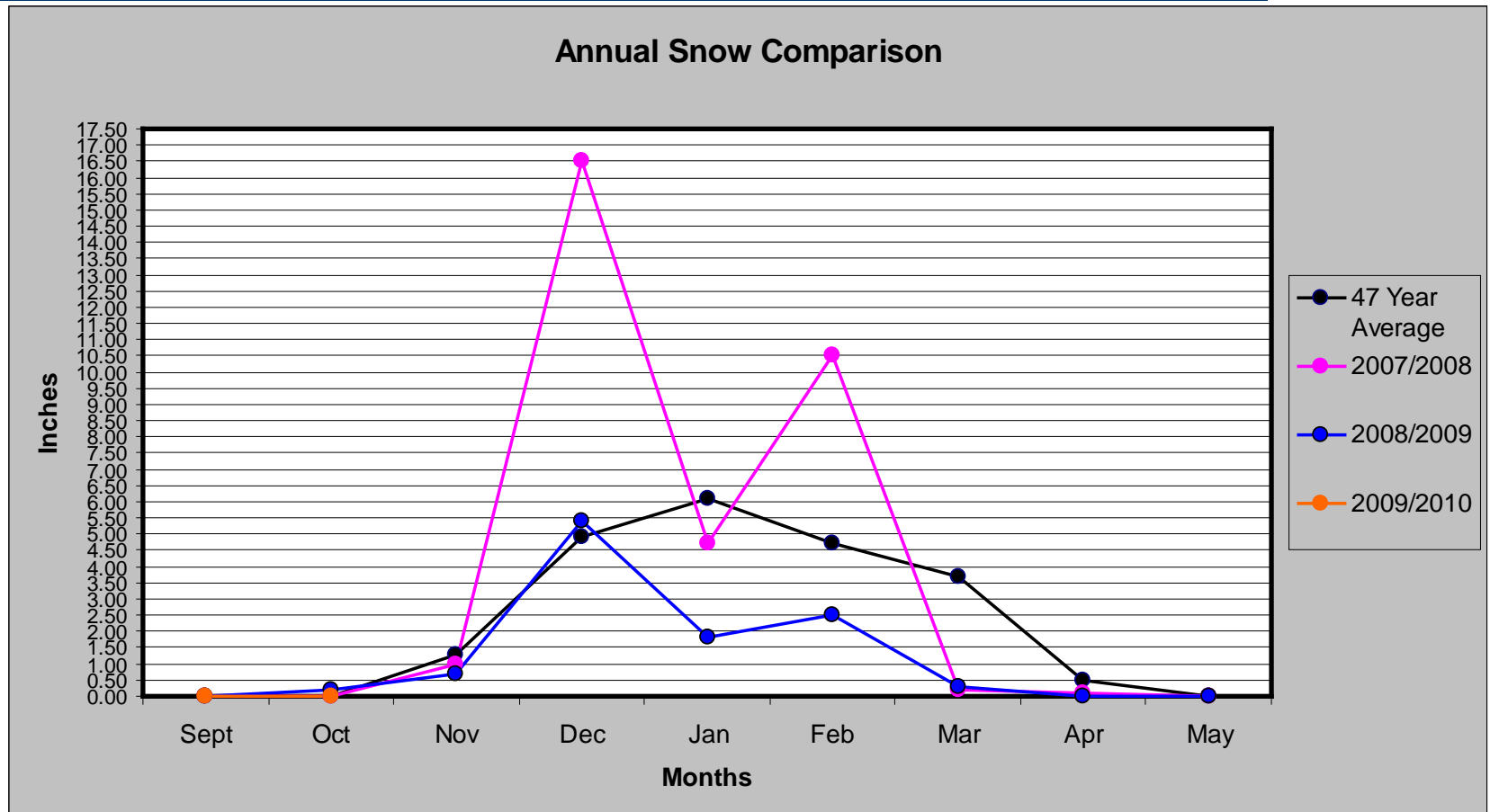
- Average Snowfall per year = 21"
- Average number of snow events = 7
- Record monthly snowfall = 21.9" in January 1985
- Typical snow months December thru March



Last Years Numbers - 2008 / 2009

- Snowfall = 10.6"
- Number of events = 9
- Salt consumption = 2,661 tons
- Sand consumption = 2,437 tons
- Man-hours = \$133,792
- Equipment = \$68,631
- Materials = \$97,640
- Total cost = \$300,063

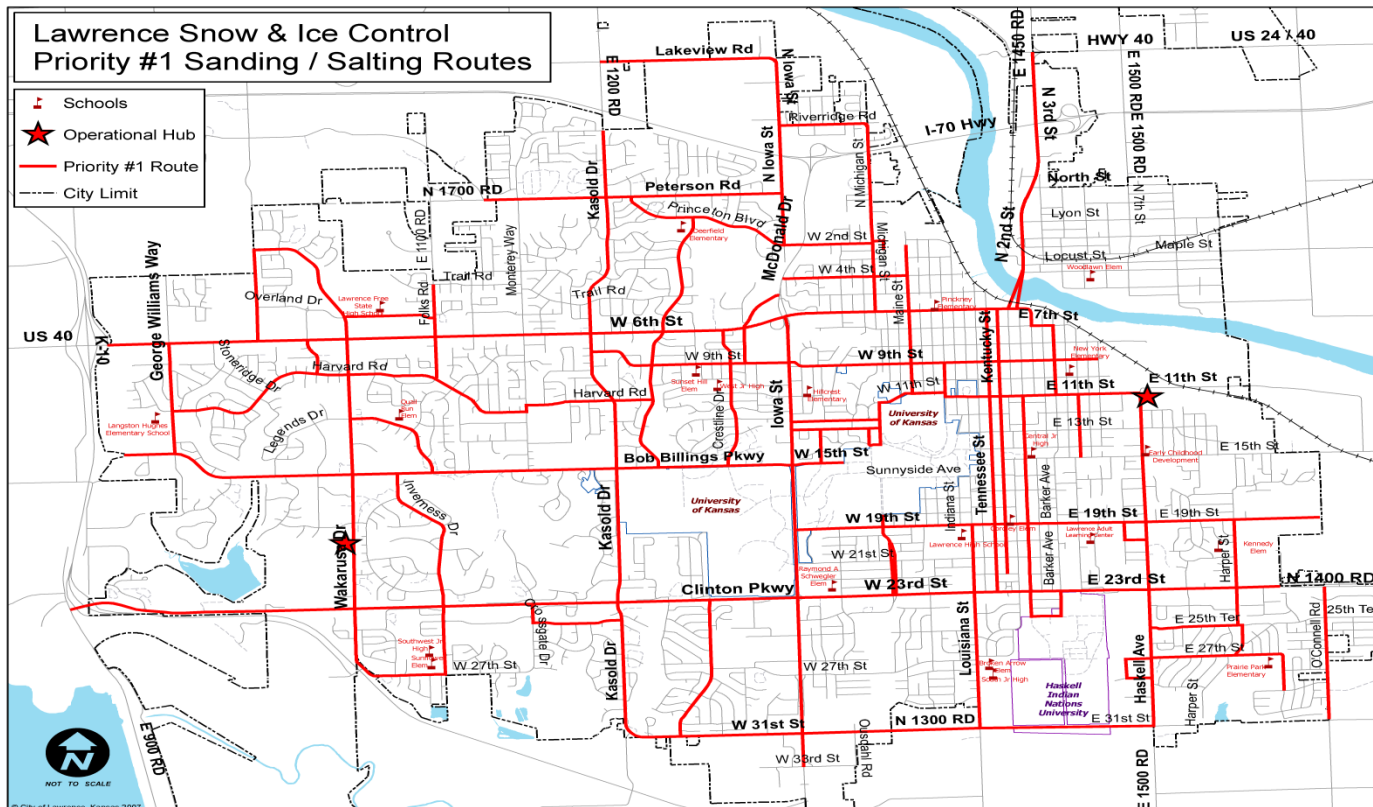
Yearly Comparison



Snow / Ice Control Plan

- The city is divided into 5 areas
 - Using Iowa St. & Bob Billings Pkwy. as the dividing line
 - There are 16 specific routes
 - Routes follow priority order from most traveled to least traveled
 - Criteria
 - Traffic counts, bus routes, schools, major employment centers, and hospitals.
 - Plowing begins at a snow depth of 3"

Snow & Ice Control Sanding / Salting Routes



Snow / Ice Control Plan

- Crews are divided equally and assigned one of two shifts
 - They generally work 12 hours shifts
 - Progress until snow and ice are cleared
- Two operational hubs are utilized for staging
 - 11th & Haskell
 - Wakarusa Drive

Materials



- We will start this season
 - 4,000 tons of salt
 - 1,000 tons of sand
 - 2,500 tons of salt sand mix
 - 1,000 tons of salt on hold order



Equipment

- 4 - Tandem axle dump trucks
- 7 - Single axle dump trucks
- 9 – 1 ton 4x4 trucks
- 1 – Wheel loader
- 2 – Motor graders
- 3 – Back-hoe
- 2 – Farm tractors



Personnel

- 39 equipment operators
- 4 supervisors
- Division manger
- Administrative support
- Other
 - Communications Manager
 - Asst. Public Works Dir.
 - Police & Fire
 - Parks & Recreation



Keeping a Prospective



Public Awareness

- Web site
 - www.lawrenceks.org
 - Links to safety and weather
- Media
 - Press releases
 - **“Snow plows hit the streets Tuesday”**
 - Live interviews before and during events
- Education
 - Flyers in water bills

Annual Snow Training Day

The First Tuesday of November Each Year – 11/3/2009

- The annual practice provides an opportunity to review the plan, incorporate new streets, give equipment one more check and train employees



Snow Day Photos



Summary

- Plan is updated
- Equipment is ready
- Materials are well supplied
- Staff have been trained
- Press releases are out
- Web site is updated
- We are ready to tackle what ever mother nature throws at us

Questions?

