

2008/2009 Snow Removal & Ice Control Preparedness



City of Lawrence
PUBLIC WORKS

Executive Summary

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 February



Last year numbers 2007 / 2008

- Snowfall = 38.5"
- Number of events = 17
- Salt consumption = 3,000 tons
- Sand consumption = 4,500 tons
- Man-hours = 10,420 hours
- Fuel consumed = 20,925 gallons
- Total cost = \$550,615

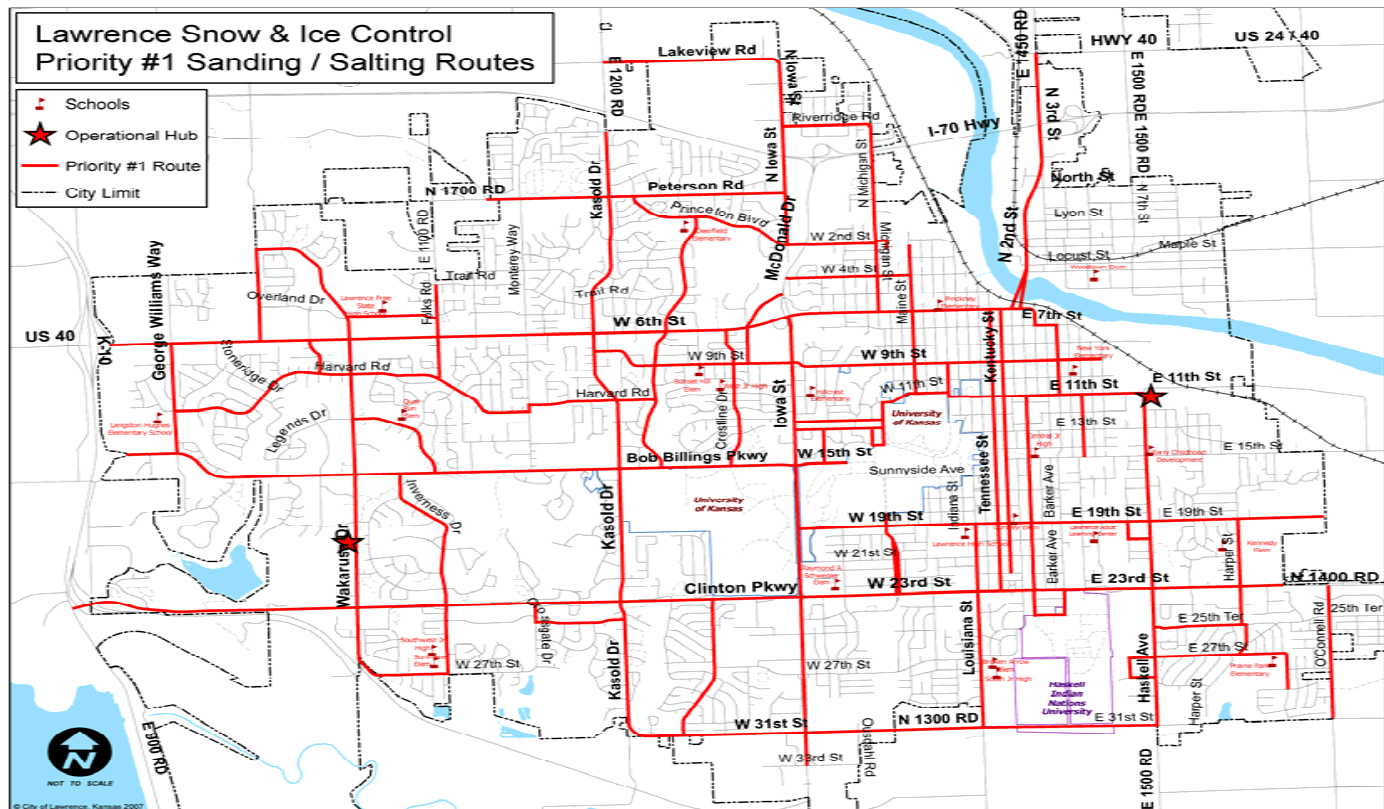
Preparation

- In April of every year we begin preparation for the next season
- Clean and repair our equipment
- Evaluate the past season
 - Look at new technology and methods
- Update plan, maps, routes, web site, and needs
 - Special needs for upcoming year
 - Oread Inn Project site
- Restock materials

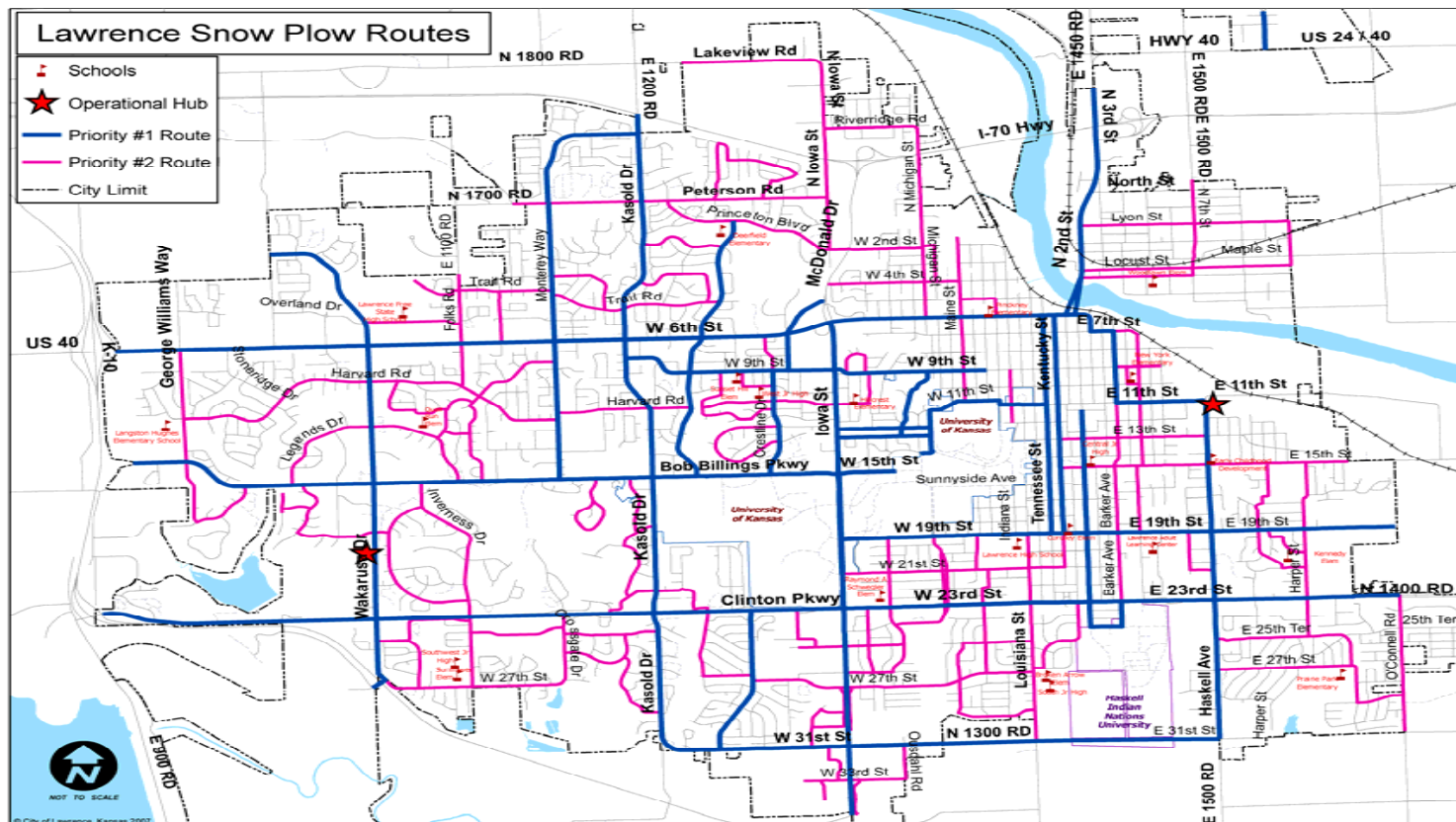
Snow / Ice Control Plan

- 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"

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Snow & Ice Control Plowing 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

Operational Hubs



11th & Haskell



Wakarusa Drive

Materials



- We will start this season
 - 4,000 tons of salt
 - 4,500 tons of sand
 - 1,000 Tons of salt sand mix
- 25% Increase over last year



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

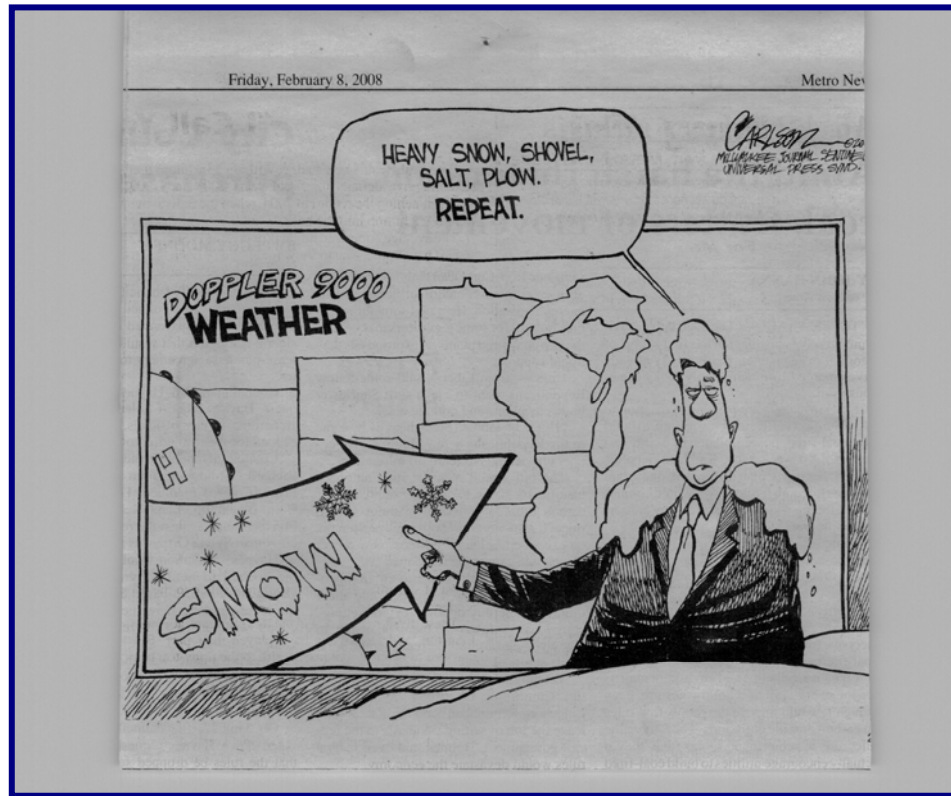
- 41 equipment operators
- 4 supervisors
- Division manger
- Administrative support
- Other
 - Communications Manager
 - Asst. Public Works Dir.
 - Police & Fire
 - Parks & Recreation



Monitoring

- Utilization of several web and media outlets
- Monitoring these outlets well in advance of any storms
- Automated e-mail Alerts
- Preparation is based on expected precipitation
- Utilize our crews strategically based on event forecast
- Team meetings - Strategies

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

11/4/2008

- 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?

Questions?

