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DEPARTMENT OF PUBLIC WORKS

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INTRODUCTION

The "Snow / Ice Control Manual" for the City of Bartlesville provides standard operating procedures for a coordinated maximum response to a severe winter storm. This manual is intended as a ready reference for all employees engaged in snow and ice control operations and includes specific instructions for salt / sanding application procedures and the designation of snow / ice control routes.

This plan will be put into effect by the City Manager, Public Works Director or Street Superintendent depending on the intensity of the storm and time of day.

SNOW / ICE CONTROL GUIDELINES

1. Snow is plowed only on major streets.
2. Snow will not be plowed on residential streets.
3. It will be the responsibility of the property owner to clear their driveways and sidewalks.
4. Snow removed from driveways, sidewalks, or parking areas shall not be placed in the street.
5. An attempt will be made to follow set priorities, however, due to blowing or drifting snow, some streets must be plowed repeatedly to control drifting snow.
6. In removing snow from the streets, it cannot be expected that all the snow will be removed down to bare pavement. What snow or ice remains will be salted or a salt/sand mixture applied to improve traction.
7. CMA may be applied to dry road surfaces in anticipation of snow or ice to help facilitate in keeping the snow or ice from adhering to the roadway surface. It may be applied later to help keep the precipitation from freezing solid.
8. Due to the intensity of the storm or the time of day that the storm arrives set priorities may be changed with prior approval of the City Manager, Public Works Director, or his designated representative.

SNOW / ICE CONDITIONS AND APPLICATIONS

CONDITION 1

Temperature: Near 30
Precipitation: Snow, Sleet or Freezing Rain
Road Surface: Wet

If snow or sleet, apply salt at 500 lbs. per two-lane mile. If snow or sleet continues and accumulates, plow and salt simultaneously. If freezing rain, apply salt at 200 lbs. per two-land mile. If rain continues to freeze, re-apply salt at 200 lbs. per two-lane mile for the duration of the condition.

CONDITION 2

Temperature: Below 30 / falling
Precipitation: Snow, Sleet or Freezing Rain
Road Surface: Wet or Sticky

If snow or sleet, apply salt at 500 lbs. per two-lane mile, depending on accumulation rate. As snowfall continues and accumulates, plow and repeat salt application. If freezing rain, apply salt at 300 lbs. per two-lane mile.

CONDITION 3

Temperature: Below 20 or falling
Precipitation: Dry Snow
Road Surface: Dry

Plow as soon as possible. Continue to plow and patrol to check for wet, packed or icy spots; treat with heavy salt and sand.

CONDITION 4

Temperature: Below 20
Precipitation: Snow, Sleet or Freezing Rain
Road Surface: Wet

Apply salt at 500 lbs. per two-lane mile, as required. If snow or sleet continues and accumulates, plow and salt simultaneously. Continue until safe pavement is obtained.

SNOW / ICE REMOVAL PROCEDURES AND ROUTES

Snow plowing and removal shall be completed by order of priority. Work crew size and length of shifts will be adjusted due to the intensity of the storm and the time of day that the storm arrives. During the storm, the entire city crew may be pressed into service.

A. PRIORITY #1 (Major Arterials)

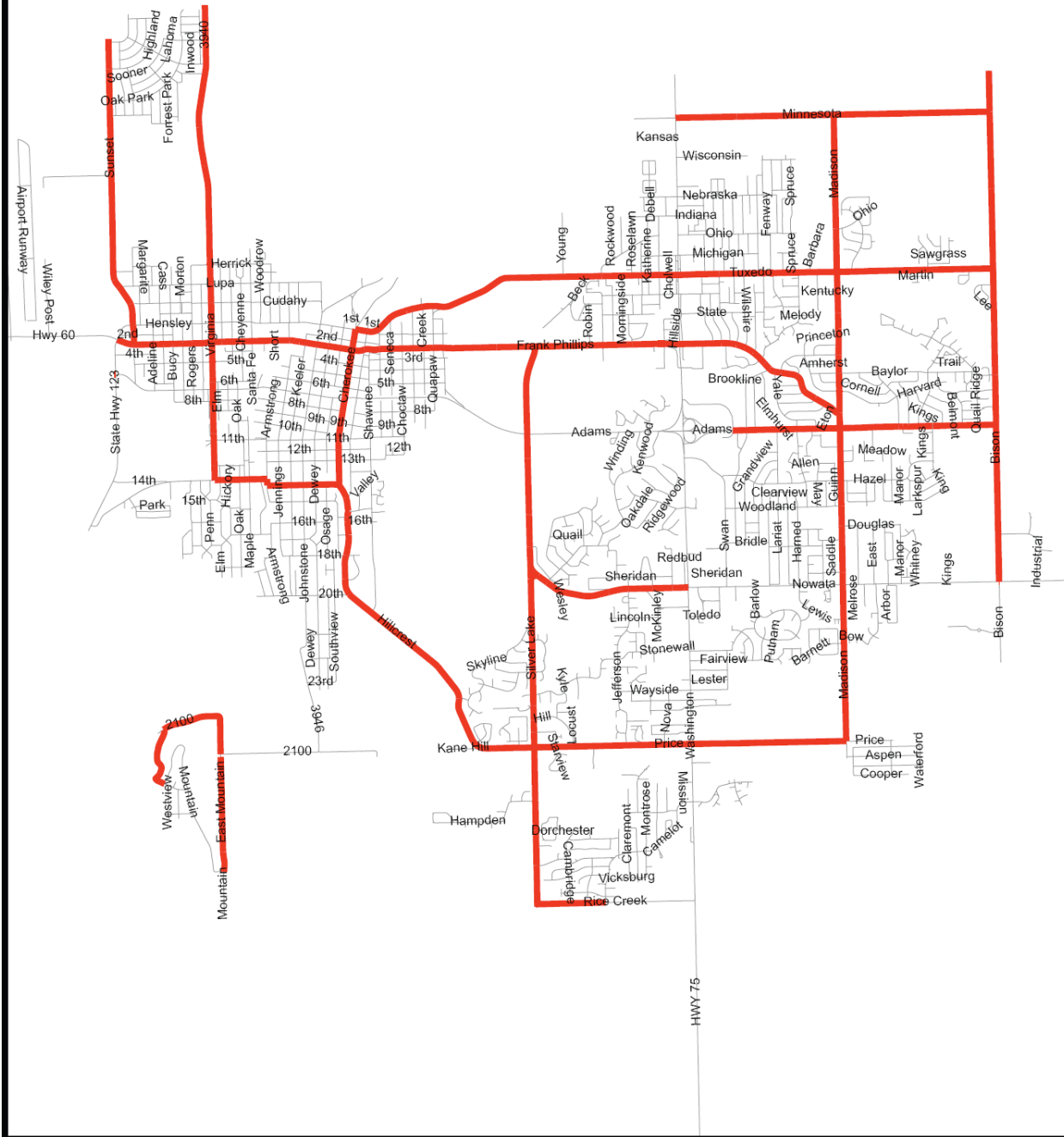
PROCEDURE

Trucks equipped with snow plows and sand spreaders will be used to plow the snow to the curb or roadway edge. Front end loaders will be used to clear the intersections of City streets only.

ROUTES (see map on following page)

Sunset	Frank Phillips to City Limits
Virginia	14 th to City Limits
Cherokee	20 th to Tuxedo
Hillcrest	20 th to Silver Lake
Silver Lake	Adams to Rice Creek
Madison	Minnesota to Price
Bison	Nowata to City Limits
Minnesota	Bison to 75
Tuxedo	Bison to Cherokee
Nowata	75 to Silver Lake
Adams	Bison to Adams Rd.
Circle Mountain	Entrance and Exit
Rice Creek	Silver Lake to Camelot
Price	Madison to Hillcrest
14 th	Cherokee to Virginia
Frank Phillips	Bison to Western

SNOW ROUTE - MAJOR ARTERIALS



B. PRIORITY #2 (Collector Streets)

PROCEDURE

Apply a sand and salt mixture to the road surfaces to increase traction and aid in melting of snow and ice.

ROUTES (see map on following page)

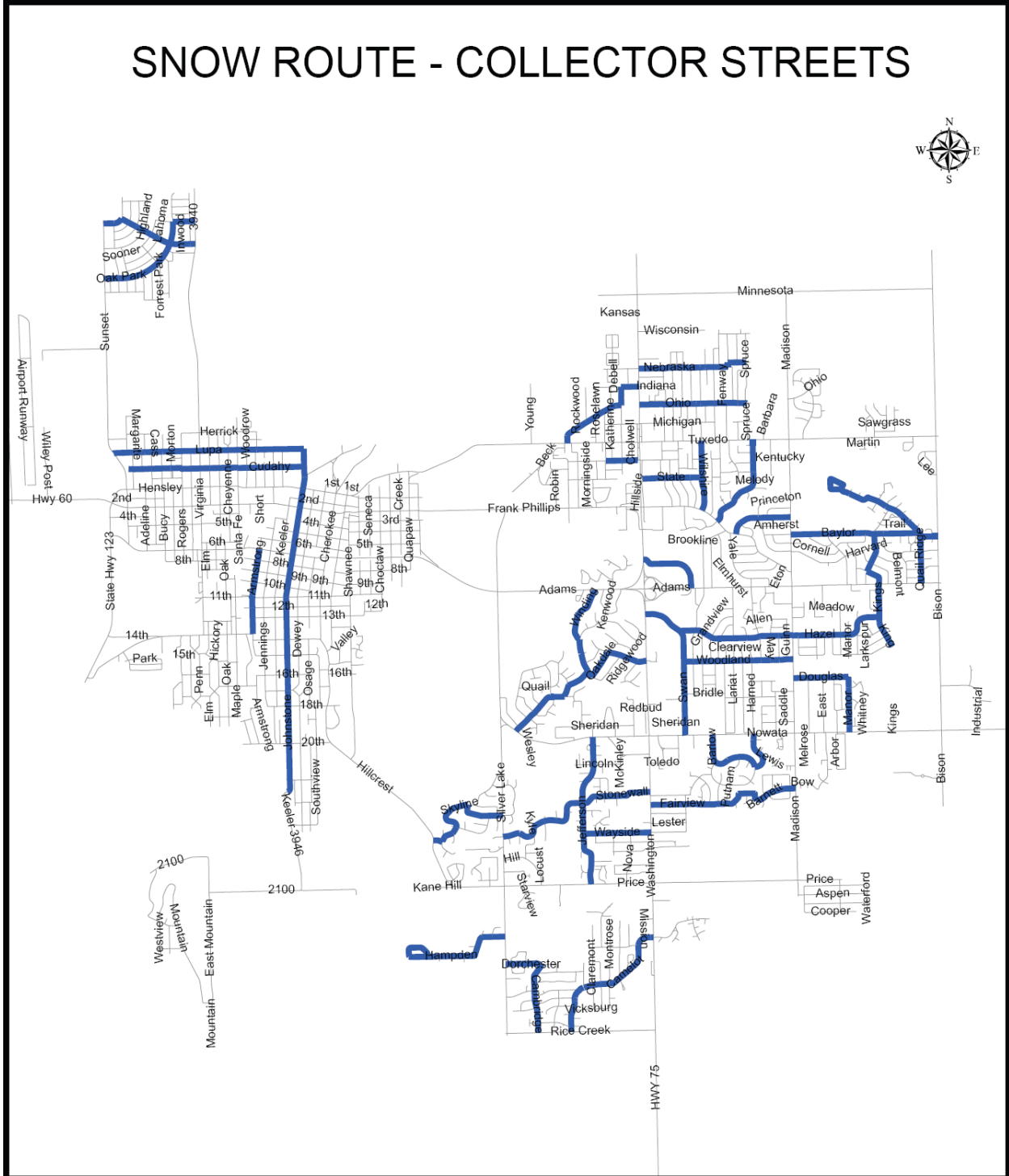
Brentwood	Virginia to Sunset
Oak Park	Virginia to Sunset
Lupa	Johnstone to Sunset
Cudahy	Johnstone to Sunset
Armstrong	Adams to 14 th
Johnstone	Lupa to South City Limits
Nebraska	75 Hwy to Spruce
Ohio	75 Hwy to Spruce
Interurban	75 Hwy to Tuxedo
Kentucky	75 Hwy to Howard
State	75 Hwy to Wilshire
Wilshire	Tuxedo to Frank Phillips
Fleetwood	Franks Phillips to Tuxedo
Brookline	Frank Phillips to Madison
Quail Ridge Rd.	Adams Blvd. to North End
Baylor	Madison to Bison
King	Baylor to Hazel
Adams Rd.	75 Hwy to Adams Blvd.
Hazel	Madison to King
Rolling Meadows	Madison to Swan
Swan	Nowata Rd. to 75 Hwy.
Woodland Rd.	Madison to Swan
Douglas	Madison to Manor
Manor	Douglas to Nowata Rd.
Barlow	Nowata Rd. to Harned
Harned	Nowata Rd. to Barlow
Fairview	75 Hwy to Madison
Winding Way / Brookside	Adams to 75 Hwy
Oakdale	Brookside to Nowata
Jefferson	Nowata to Price
Stonewall	75 Hwy to Silver Lake
Wayside	75 Hwy to Jefferson
Skyline	Hillcrest to Silver Lake
Hampden	Silver Lake to West End
Camelot	75 Hwy to Rice Creek

Dorchester
Cambridge

Silver Lake to Cambridge
Dorchester to Rice Creek

***Other streets may be identified as collector streets at the City's discretion.**

SNOW ROUTE - COLLECTOR STREETS



C. PRIORITY #3 (Business District)

PROCEDURE

Plows are used to plow the snow to the center of the street. The snow is picked up by front end loaders and transported by trucks to the dump site.

ROUTES

East Boundary	Cherokee Blvd.
West Boundary	Jennings Ave.
North Boundary	Hensley Blvd.
South Boundary	Adams Blvd.

D. PRIORITY #4 (Schools)

PROCEDURE

Apply a sand and salt mixture to the road surfaces around the schools to increase traction and aid in the melting of snow and ice. In addition the school snow routes will receive a sand and salt mixture to aide in traction at these locations – see Appendix A for a listing of the schools snow route. Consideration is given to whether schools are in session or dismissed for inclement weather. Mixture is applied on City streets only.

SAND AND SALT PROCEDURES

Dump trucks with salt / sand spreaders are used on major streets to control slick spots on major intersections, hills and stopping areas.

Because of damage to vehicles by throwing sand / salt, every effort is made to turn the spreader off when meeting an oncoming vehicle.

OKLAHOMA DEPARTMENT OF TRANSPORTATION RESPONSIBILITY

The Oklahoma Department of Transportation is responsible for snow removal and the salt and sanding of the following streets.

ROUTES

Highway 75 (Washington Blvd.)	North City Limits to South City Limits
Highway 60 (Nowata Rd.)	East City Limits to 75 Hwy
Highway 60 (Adams Blvd.)	Adams Rd. to West City Limits
Highway 123 (Hensley Blvd.)	Cherokee to Western
Highway 123 (Western)	Frank Phillips to 14 th St.

CITY OF BARTLESVILLE RESPONSIBILITY

A. PUBLIC WORKS / STREET DIVISION

PROCEDURES AND PRIORITIES

The Street and Drainage Division is responsible for both snow removal and ice control for the roadways in the Bartlesville City Limits. The Street Division is usually the first responder to a major winter storm.

B. PARK AND RECREATION DEPARTMENT

PROCEDURES

The Park and Recreation Department is responsible for snow removal and ice control of city properties both during and after the storm. The Park and Recreation Department may assist in the removal of snow from the downtown area at night if available.

PRIORITIES

1. Parking Lots
2. Sidewalks

APPENDIX A – SCHOOL SNOW ROUTES

(School Snow Routes are provided by the Bartlesville Public School system)