

## **SNOW & ICE REMOVAL** **MANPOWER AND EQUIPMENT ANALYSIS**

Under ideal conditions, we have 47 pieces of equipment, which requires 45 people to fill for plowing or loading snow. We split the use of this equipment/personnel into two shifts/days. For 2019/20, 35 staff will be available to clear the city's 16 street routes, 2 parks/parking lot routes, Evergreen Cemetery, 34 city alleys, 4 sidewalk routes and 1 hand shoveling route. We also rent 4 graders to assist in plowing the City's 13 street routes. This allows us to plow the City once in 8 to 10 hours following an average snowfall of 4-6" (this does not include removal of snow).

Snow loading and removal operations are conducted with a combination of Internal Service Fund and contractor rented equipment. Along with a fleet of up to 20 rented trucks for snow hauling, two loaders are rented to push up snow at the dumping areas. Up to a total of 8 DPW trucks assist in snow hauling after general plowing has been completed.

Snow loading and removal operations for the City's major downtown routes are usually completed the first and/or second nights (the day of and/or the following day of the snow storm).

Current operations break these available resources down into 3 scenarios:

1. Less than 1" or slippery roads
  - 19 pieces of equipment and staff
2. 1 – 3 inches
  - 28 pieces of equipment and staff
3. 3 or more inches
  - 35 in-house pieces of equipment and staff along with 6-26 equipment and operators from private contractors for a possible total up to 61 personnel

