



Winter Maintenance Services

- ▶ Winter Maintenance Services
 - Mobility Infrastructure Network
 - ▶ Walkways in parks
 - ► Civic properties
- Current Budget: \$ 2.8 M
- ►YTD: \$1.7 M





Service Areas

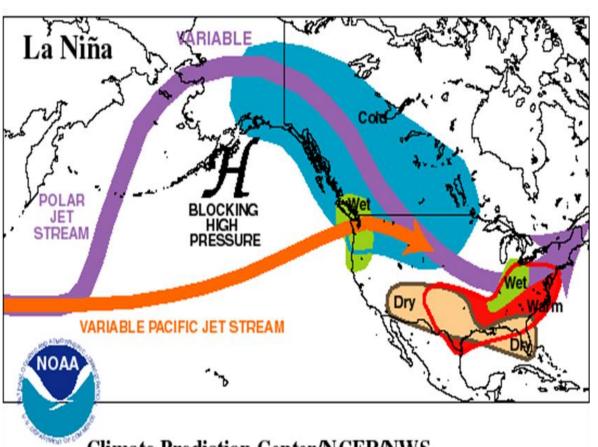


- ► Roadways and Corridors
- ► Parks and Civic Properties
- ► Sidewalks and Bus Stops
- ► Public Laneways
 - Service provided for Emergency Services and solid waste removal vehicle access
- ▶ Private Roads and Lanes
 - ▶ Not maintained by the City
- ► Highways 97 and 33
 - ► AIM
- ► Bennet Bridge
 - ▶ Atkins Realis



2024 Outlook

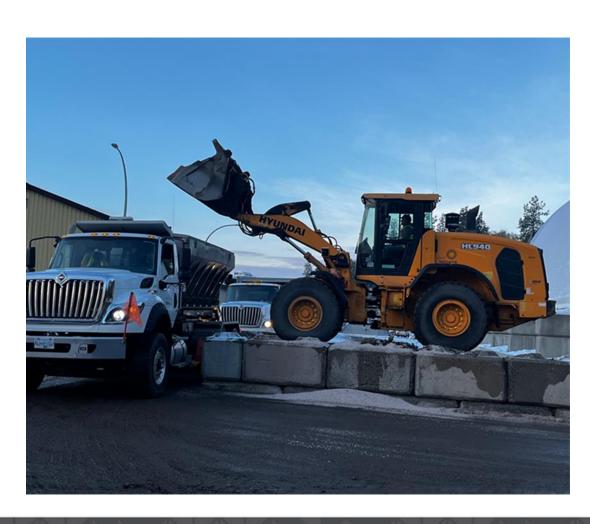
- Short forecasts are more accurate
- ► Seasonal Impact : ENSO
- ► Current status : La Nina Watch
- ► Not a strong indicator for unusual weather



Climate Prediction Center/NCEP/NWS



Initial Preparations



- Preparations start post Labor Day weekend
- ▶ Performance Reviews
 - Team reviews past performance and issues
- ► Equipment Readiness
 - Plans for equipment readiness and conversions
- ➤ Shift Changes & Schedules
- ► Supplier Contracts
 - Renewals of supplier contracts (materials and services)



Equipment Complement



- ► Various Types of Trucks
 - ► Tandem axle and single axle trucks with belly blades and slip in sanders
 - One-ton trucks with front-mounted blade plow and rear sander
- ► Sidewalk Service Equipment
 - Trackless tractors with brush and/or front plow
- Supporting Equipment
 - ▶ Graders
 - Anti/De-icing units
 - Snow raiders

Snow Event Planning





- ► Weather Response guided by Weathernet
 - Private third-party forecasting company
- Augmenting Forecasting Services
 - Using an additional local forecasting company
 - Increased accuracy based on local knowledge
- ► Better Preparation for Appropriate Response
 - Enhanced forecasting allows for improved planning



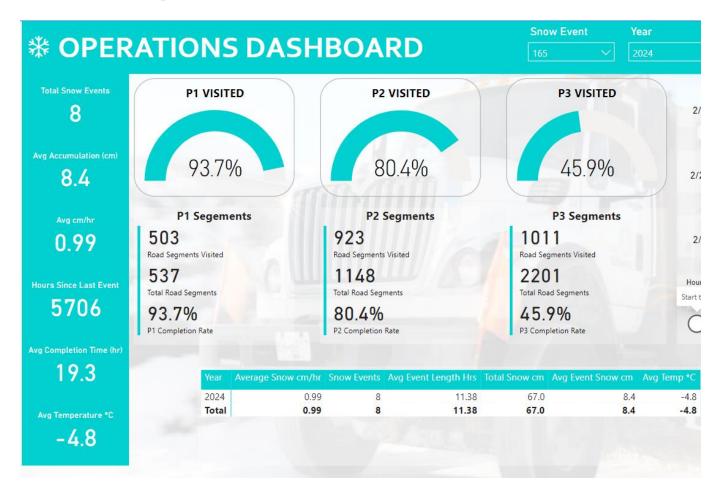
Extreme Weather Protocols



- ► Forecasted event 15 cm or multiple days.
- ► Media event before snow starts
- ► Twice daily conference calls
- ► Parking Bans
 - ▶ Issued in 7 snow areas
- ► Snow Removal Program
- ► 6 snow dumping areas



Digital Transformation



- ▶ Introduction of Cityworks in 2021
 - ► Transition to a digital approach for snow and ice response measurement
- Snow and Ice Dashboard
 - Demonstrates adherence to council policy
 - Digitally tracks routes
 - Displays completion rates in near real time
- ▶ Digital interfaces in snow clearing equipment
 - Displays open service requests for action
 - Allows marking off requests as complete in real time
- ► Future Improvements
 - Enhancements to near real time map and dashboard overviews
 - Creation of public-facing versions for citizens



Changes from 2023/2024 Season



- ▶ Implementation of Recommendations
 - 7 recommendations from root cause analyses of Feb 27, 2024, event
 - ► Incorporated into current response plan
- ► Sidewalk Program Transition
 - Moved to Parks Services for better management and improved efficiencies
- Combination with Snow Program
 - Integrated with parks and civic properties snow program
- Enhanced Service Delivery
 - AIM to deliver services more effectively
 - Higher service level across systems
- Improved Access
 - Ensures better access to civic properties
 - Facilitates public transit access

