



STAFF REPORT

Report To: Board of Supervisors **Meeting Date:** November 17, 2022

Staff Contact: Darren Schulz, Public Works Director

Agenda Title: For Discussion Only: Discussion and presentation by the Carson City Public Works Department ("Public Works") regarding snowplow operations during storm events. (Rick Cooley, rcooley@carson.org)

Staff Summary: Public Works will provide a brief summary and update on the Public Works, Streets Division's snow-plowing operations in the City.

Agenda Action: Other / Presentation **Time Requested:** 10 minutes

Proposed Motion

N/A

Board's Strategic Goal

Efficient Government

Previous Action

N/A

Background/Issues & Analysis

Public Works is providing an informational presentation on its snow-plow operations for the upcoming winter, which includes a summary of the equipment and methods used, operational limitations and its road-clearing priorities during storm events.

Applicable Statute, Code, Policy, Rule or Regulation

N/A

Financial Information

Is there a fiscal impact? No

If yes, account name/number: N/A

Is it currently budgeted? No

Explanation of Fiscal Impact: N/A

Alternatives

N/A

Attachments:

Board Action Taken:

Motion: _____

1) _____

2) _____

Aye/Nay

(Vote Recorded By)

Carson City Snowplow Operations

November 2022

Public Works Snowplowing Resources

› Equipment

- (9) 5-yard dump truck
- (2) 5-yard dump truck with wing and prewet system
- (3) 10-yard dump truck with wing and prewet system
- (2) 1-ton truck
- (1) 1-ton truck with poly blade
- (1) motor grader
- (1) brine truck
 - › Second brine setup ordered





Weather Tracking and Brine Operation

› Tracking Weather

- Daily National Weather Service Updates
- Weekly National Weather Service Briefings
- Traffic Cameras

› Brine Operation

- 23.3% salt solution
- Brine provided by
NDOT



Sanding

- › Sand / Salt Mixture
 - 3 parts sand to 1 part salt
 - Approximately 750 pounds of salt per lane mile
- › Concrete Impact
 - Started using a salt inhibitor with Downtown project
 - No salt for first year
- › Landscaping Impact
 - Testing in Lakeview area showed little salt in soil samples
 - Have seen no negative impact on Carson Street plants

Snow Plow Map

- › Primary objective is emergency access and bus routes (both JAC and CCSD)
- › Focus during an event is primary roads
- › Secondary roads are plowed once primary roads are caught up
- › Non-primary/secondary roads are not a priority during an event and may not be touched at all during a typical storm; constitutes a majority of calls
- › Larger storms will run two-shifts of 10-12 workers; Street Division only has 21 staff members so other Public Work Divisions are asked to fill in as needed

