Agenda Item No: 18.A



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:

Carson City Snowplow Operations BOS Presentation Fall 2022.pdf

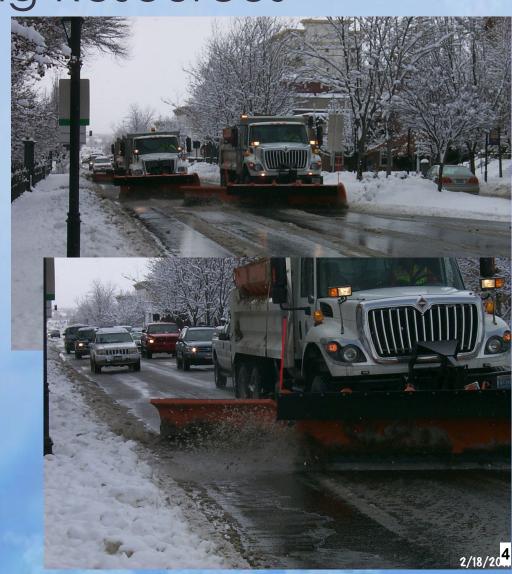
Board Action Taken: Motion:	1) 2)	Aye/Nay
	, 	
(Vote Recorded By)		

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 inhibiter 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

