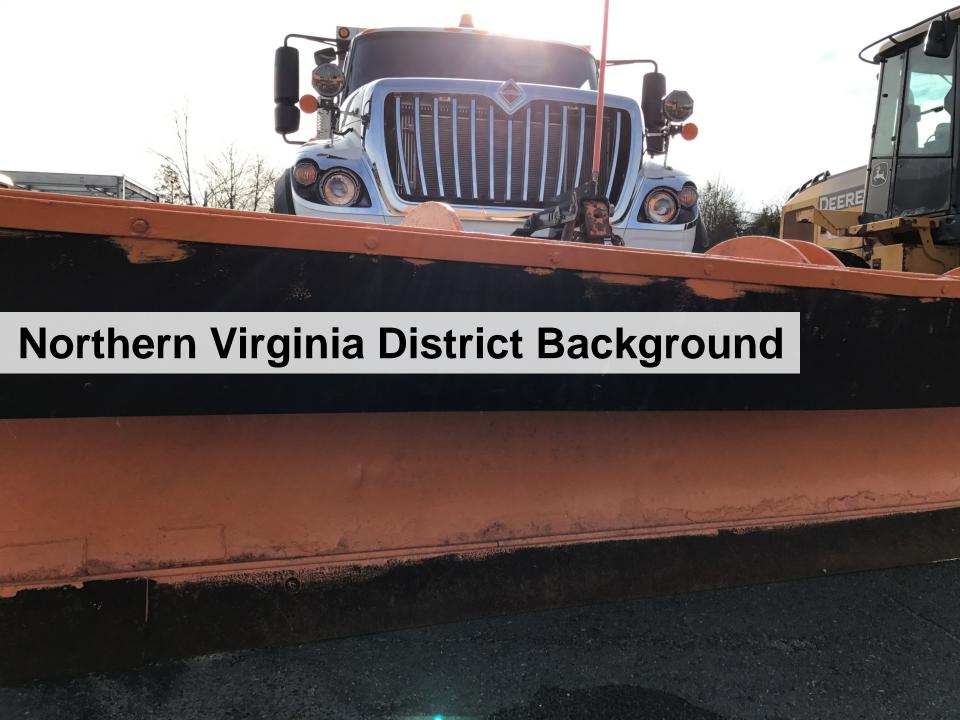


Northern Virginia Snow Briefing Council of Governments (COG)

November 6, 2017

Lauren Mollerup, P.E., CCM

District Maintenance Engineer



- Fairfax, Loudoun, Prince William, and Arlington*
 - * Arlington maintains own network (secondary roads)
- Population: 2.2 million
- Commuter lots: 24
- Bridges/large culverts: 2,000
- Traffic signals: 1,400
- VDOT employees: 866



Total lanes miles: 13,585

• Interstate: 727 • Primary: 1,736

Secondary: 11,046

• Gravel: 318 • Frontage: 78

Subdivision streets: 16,000



18 maintenance headquarters

Arlington:1 • Fairfax: 9 • Loudoun: 4 • Prince William: 4

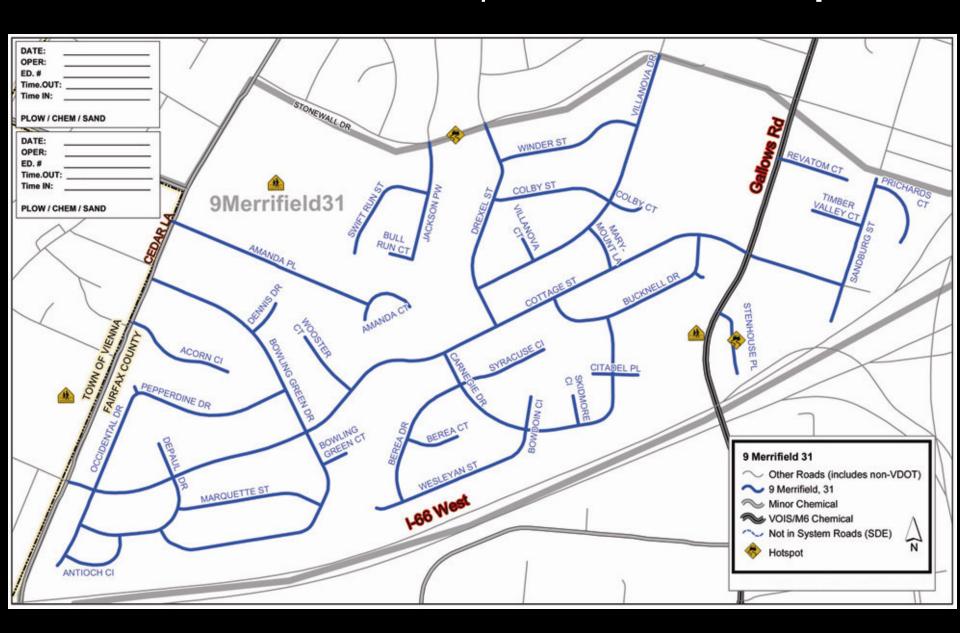








The district is divided up into 626 snow maps





- Forecast reviews with National Weather Service (weather.gov/washington/winter) and Iteris
- Mobilization plan determined, including if incident command will be activated



	Mob.					Equipment Required based on VDOT			
Weather Forecast	Level	Response Plan	SALT Application Rate*	Applied L	Applied Lane Miles		xle truck o	carrying 12	,000 lbs**
Precipitation: 20% or Greater Accumulation: Ice/Snow Possible Ambient or Pavement Temp: 30-36	Anti Ice	Treatment of Critical Structures & Locations	Application Liquid: 50 gal/ln mi Application Salt: 325 lbs/ln mi				Liquid	Salt	Total
				Ffx	853	Ffx	13	13	26
				PW	250	PW	13	7	20
				Lou	610	Lou	9	5	14
				Int	300	Int	8	16	24
				District	2,013	District	43	41	84
Precipitation: 20-49% or greater Accumulation: Snow Possible Ambient or Pavement Temp:30-36	Skeleton Crews	Spot Treatment of Critical Structures & Locations Respond to Icy Conditions As Needed	325 lbs/ln mi				Liquid	Salt	Total
				Ffx	853		13	54	67
				PW	570		13	14	27
				Lou		Lou	9	23	32
				Int District	300	District	2 37	24 115	26 152
				DISTRICT	2,333	DISTRICT	Liquid	Salt	Total
Precipitation: 20-49% or greater Accumulation: Snow Possible Ambient or Pavement Temp:30-36	1	Springfield Interchange, Spot Treatment of Other Critical Structures & Locations	325 lbs/ln mi	Ffx	853	Ffx	13	207	220
				PW		PW	13	18	31
				Lou		Lou	9	51	60
				Int		Int	3	42	45
				District		District	38	318	356
				Diotriot	2,000	Diotilot	Liquid	Salt	Total
Precipitation: 50-100% Chance Accumulation: Up to 1 inch of snow Ambient or Pavement Temp: 25-29		Light Salting Operation; Limited Work in Subdivisions. Includes Cold Spot Treatment in Subdivisions & Gravel Roads.	400 lbs/ln mi	Ffx	3,200	Ffx	13	424	437
				PW	2,630		13	125	138
				Lou		Lou	9	91	100
				Int	1,894		3	82	85
				District		District	38	722	760
Precipitation: 50-100% chance Accumulation: Up to 2 inches of snow or up to 1/10 inch of ice Ambient or Pavement Temp: 20-24	3	Salting Operation; Potential for Plowing; Includes Cold Spot Treatment in Subdivisions & Gravel Roads	475 lbs/ln mi	2.001100	0,000	District	Liquid	Salt	Total
				Ffx	8,024	Ffx	13	898	911
				PW		PW	13	340	353
				Lou	-,	Lou	9	226	235
				Int	1,894		3	122	125
				District		District	38	1,586	1,624
Precipitation: 50-100% chance Accumulation: Up to 6 inches of snow or up to 1/4 inch of ice Ambient or Pavement Temp: 15-19	,	Salting/Plow Operation; Includes Plowing Subdivisions & Sanding as Necessary	550 lbs/ln mi	2.001100	10,012	_ lotilot	Liquid	Salt	Total
				Ffx	8,024	Ffx	13	1,715	1,728
				PW	3,507		5	615	620
	4			Lou	2,547		9	428	437
				Int	1,894		7	223	230
				District		District	34	2,981	3,015
Precipitation: 50-100% chance Accumulation: More than 6 inches of snow or more than 1/4 inch of ice Ambient or Pavement Temp: 10-14	5	Salting/Heavy Plow Operation; Includes Plowing Subdivisions & Sanding as Necessary. ALL RERSOURCES ARE DEPLOYED!			.,		Liquid	Salt	Total
				Ffx	8,024	Ffx	13	2,286	2,299
				PW	3,507		13	773	786
				Lou	2,547		9	797	806
				Int	1,894		11	500	511
				District		District	46	4,356	4,402
					.5,012		.,	.,000	.,102





- Applied when pavement temps are above 20 degrees, and event does not begin as rain
- Anti-icing treatment most effective during first hour of weather event

• 2,150 lane miles of interstates and major roads including bridges, ramps, and overpasses are treated with brine and/or liquid magnesium chloride.





- Contractors report, load, and stage trucks in the assigned areas before predicted storm arrival
- If 2"+ are forecasted, residents may see trucks begin to stage in neighborhoods.



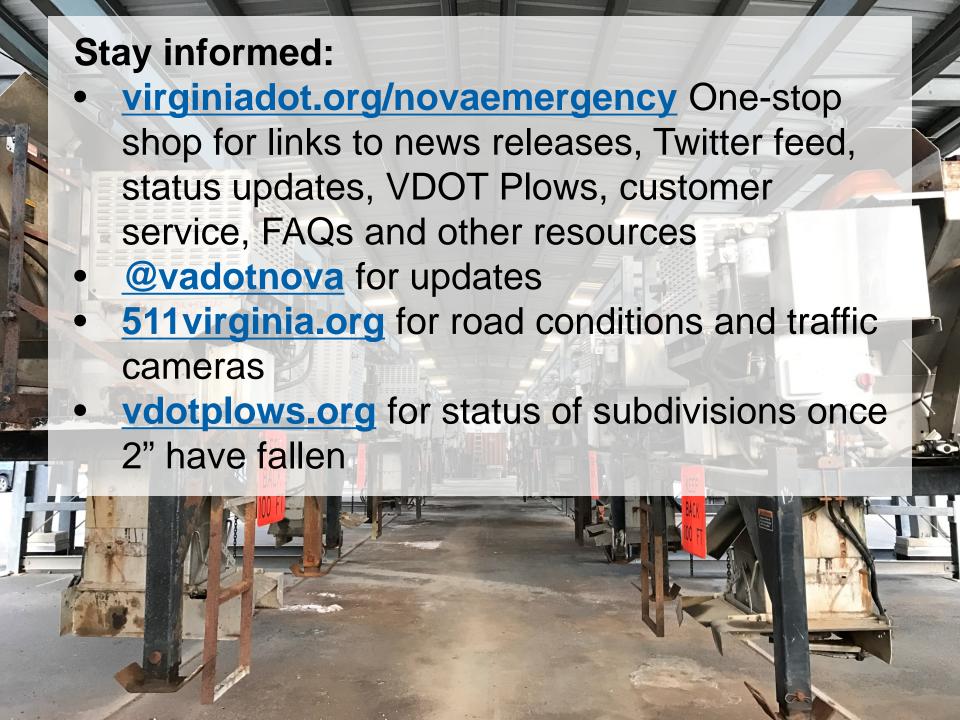
- Small events: 12-18 hours before forecasted start
- Large events: 18-24 hours before forecasted start





Residents should:

- Monitor forecasts closely
- Plan to telework and adjust commutes
- Stay off roads to give plows room
- Ensure enough gas, wiper fluid, proper tires, food, water and medicine
- Park in driveways or on oddnumbered side of the street
- Please be patient







Interstates (66/95/395/495)
High-volume routes (Routes 1, 7, 28, 50, etc.)
Made passable, then bare pavement where possible



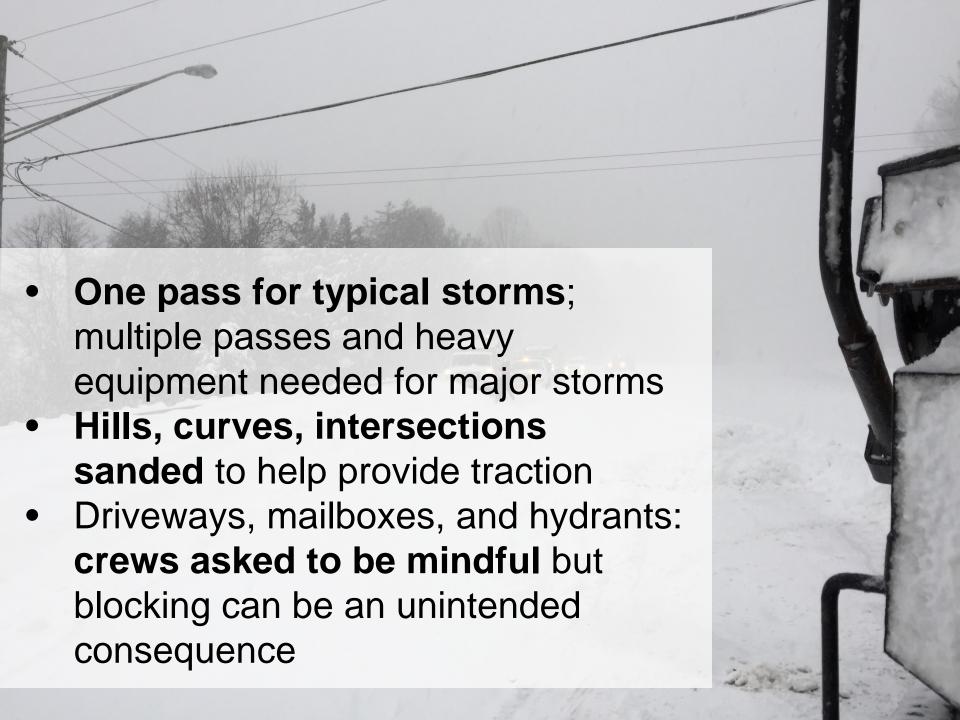




What does "passable" mean?

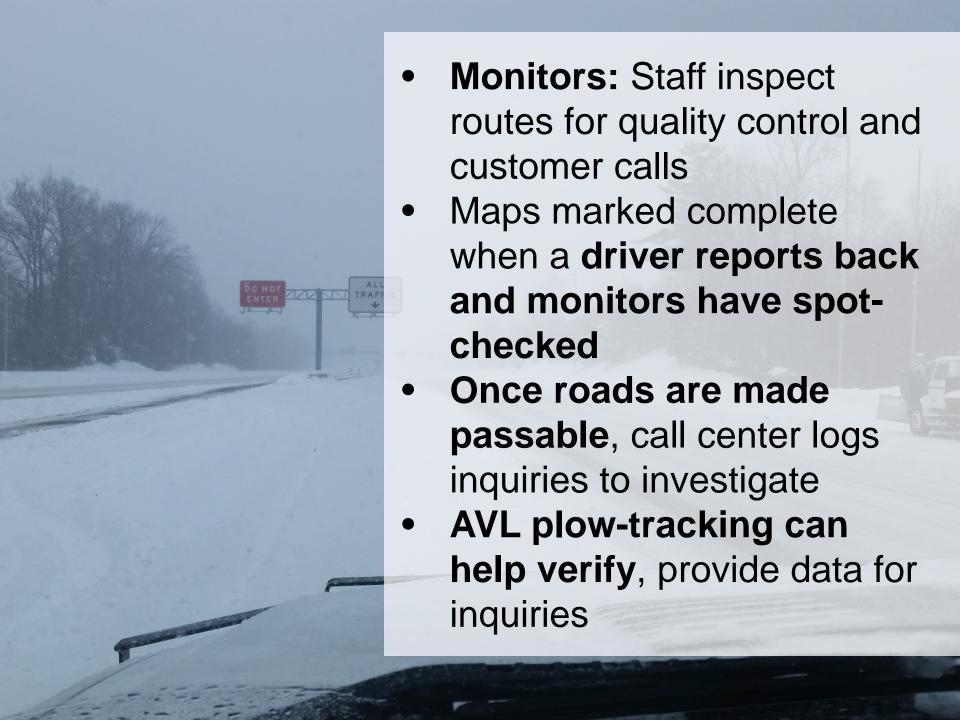
- An 8- to 10-foot path cleared for emergency vehicle access
- Drivable with extreme caution
- Road remains snow-packed, will not be curb-to-curb or bare pavement







- Getting the roadways as safe as possible
- Shoulders, ramps, turn lanes, intersections
- 12,000 park-and-ride spaces



Sidewalks and Trails Crews asked to be mindful, but often limited room to pile snow from roads Special care is requested near schools and emergency facilities Residents and businesses are asked to clear near their property Check with localities for ordinances









Customer Service Center

- my.vdot.virginia.gov or 800-FOR-ROAD (367-7623) to report safety concerns
- Please wait a few days after storm ends to report roads as "missed." Once drivers have completed maps, calls will be mapped and sent to local areas to revisit.

