

A photograph of a city street covered in snow. The street is lined with trees and buildings. Traffic lights and signs are visible. A large white text overlay is centered on the image.

Managing a major winter event

April 16, 2026

Why we do what we do...



**THE STREETS
DEPARTMENT IS THE
PRIMARY RESPONSE
AGENCY FOR THE CITY IN
WINTER WEATHER
EVENTS SUCH AS SNOW
AND ICE STORMS.**



**AS SUCH, IT IS ESSENTIAL
THE DEPARTMENT
MAINTAIN AN ADEQUATE
WORKFORCE IN SUCH
EMERGENCIES.**



Hope for Nothing, Plan for Everything! ²

PHILADELPHIA by the numbers:

- 1, 526,006 million people
- 143 square miles
- 104,000 street lights
- 4,000 ornamental light
- 18,000 alley lights
- 2,500 miles of roads
- 53 miles of State Roads
- 2,950 Signalized intersections
- 3,000 All-Way intersections
- 15,000 Conventional intersections
- 280 Bridges
- 661,958 housing units



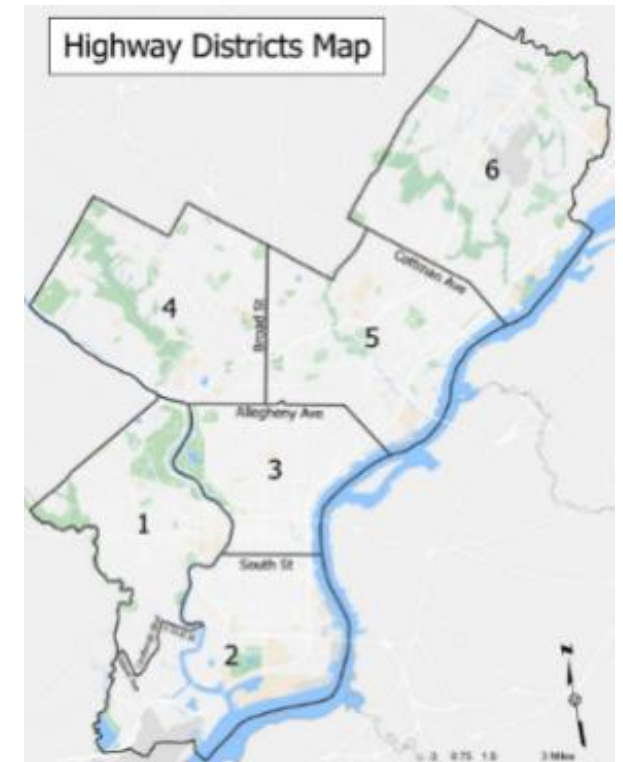
SNOW OPERATIONS

1. Highway Deployment – Streets’ vehicle for 1,400 miles (152 routes) – using larger tri-axel vehicles on wider roads

2. Residential Deployment – City Department vehicles (primarily PWD, Sanitation, PPR, CLIP, and Streets) for 1,125 miles (121 regular routes) – using F350s with plow and salt v-box on residential streets

3. Contractor coverage - spread over 3 contracts, can be deployed for Highway and/or Residential

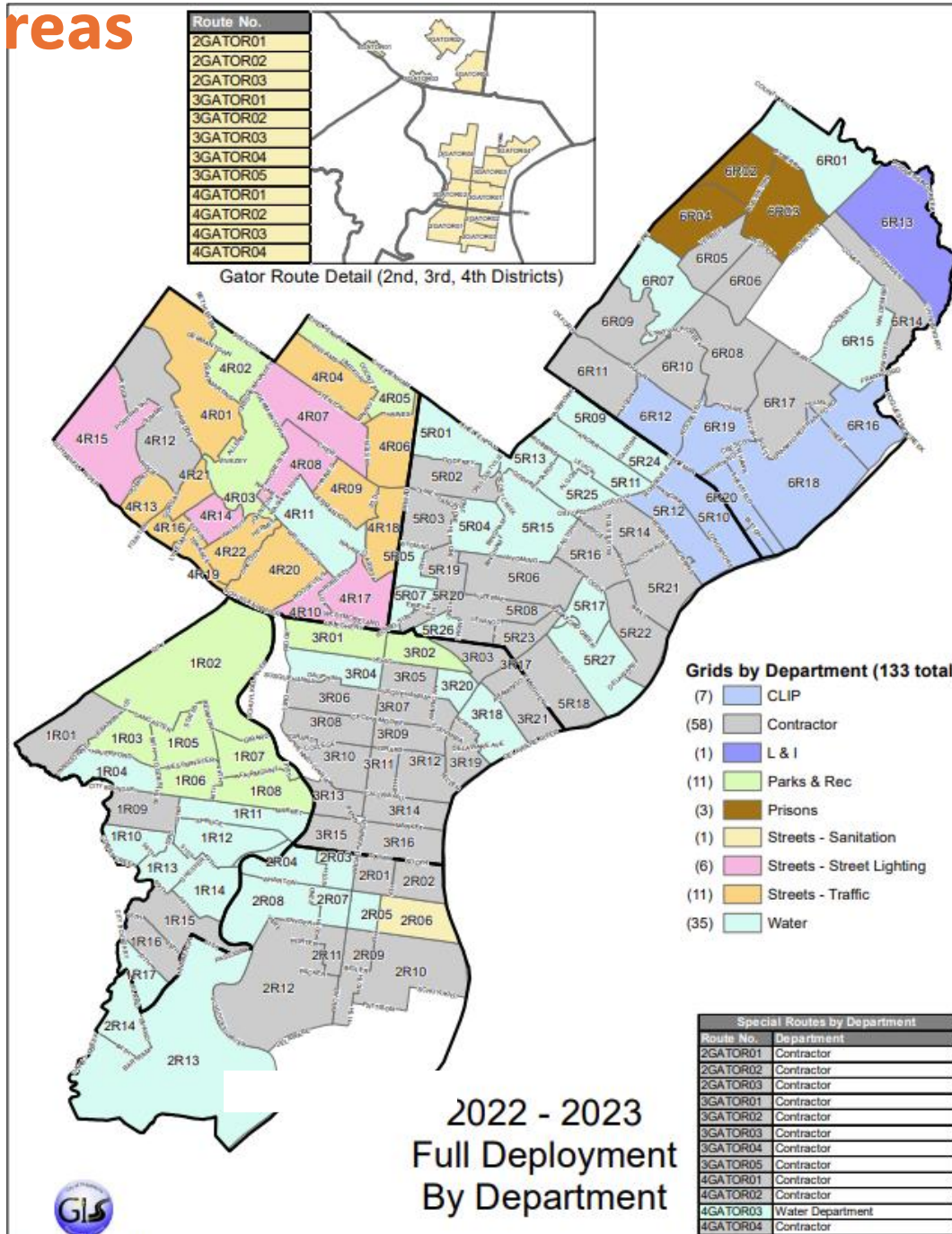
- 1. AP Construction – Hwy District 1
- 2. JPC – Hwy District 2
- 3. James J. Anderson (JJA) – Hwy Districts 3, 4, 5, and 6



		EVENT A - 12/13/25			EVENT B - 12/26/25			
		Available 350s	Used	% Used	Not Used	Used	% Used	Not Used
82	Sanitation	16	10	63%	9	10	63%	6
28	PWD	34	14	41%	20	15	44%	19
10	CLIP	19	8	42%	11	11	58%	8
16	PPR	58	7	12%	51	7	12%	51
12	Streets	19	10	53%	9	14	74%	5
	TOTAL	146	49	34%	100	57	39%	89

PPR data verification still underway

Coverage by Areas



2022 - 2023
Full Deployment
By Department

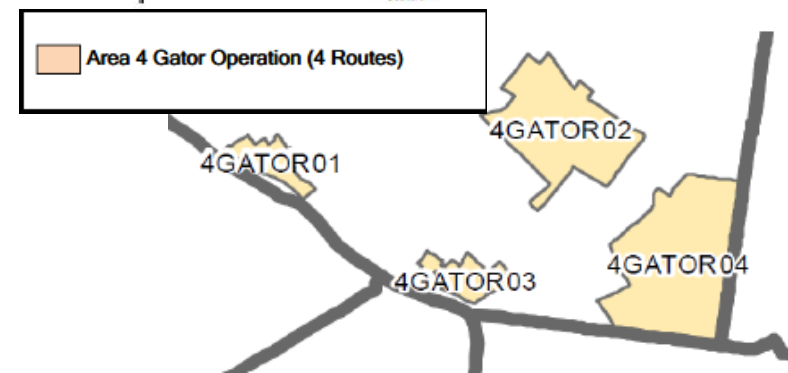
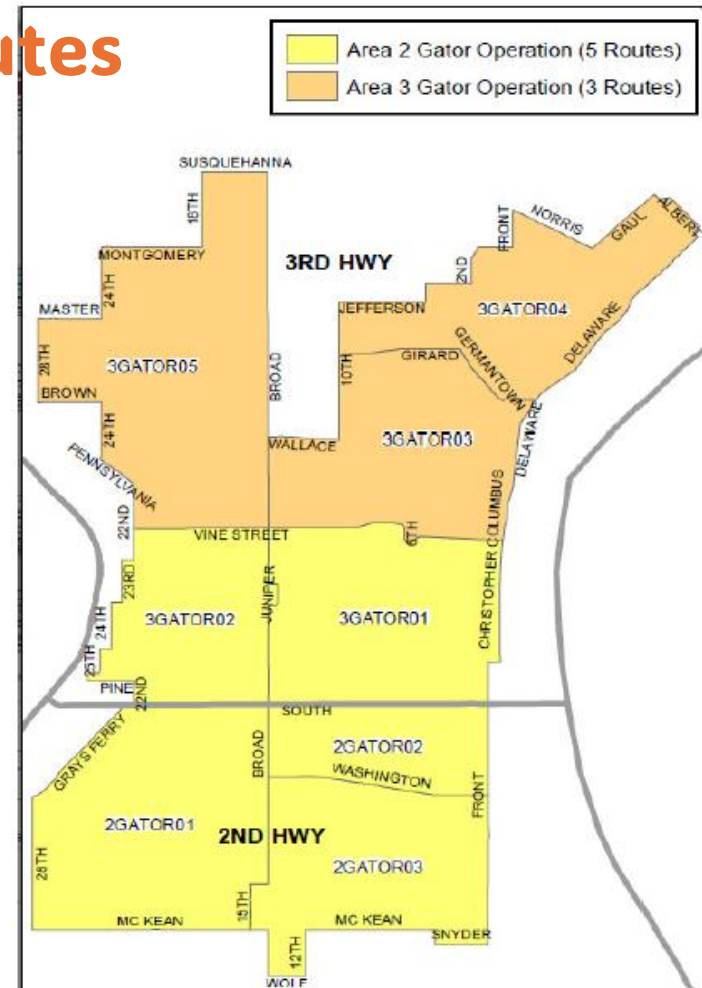
- Res 1:** 17 routes: Parks & Rec, Water & Contractors
- Res 2:** 13 routes: Water, Contractors, Sanitation Bobcats
- Res 3:** 21 routes: Contractors, Water, Parks & Rec, Sanitation Bobcats
- Res 4:** 22 routes: Traffic, Street Lighting, Parks & Rec, Contractors & Water, Sanitation Bobcats
- Res 5:** 27 routes: Water, Contractors & CLIP
- Res 6:** 20 routes: Contractors, Water, CLIP, Prisons & L&I

Contractors by Area

	Company (Pipen/Skid Steer) Schedule A-Removal Equipment	Company for Vbox, dumps (Schedule B Spreader Equipment)
1		AP Construction
2		JPC Group
3		Petrongolo
4		Anderson
5		Anderson
6		Anderson

Bobcat Operation on Gator Routes

- 14 bobcats (plowing) & 12 V-box pickups (salting) spread across 12 gator routes in 2nd, 3rd, 4th districts
- One Crew Chief per district on street directing bobcat work (Bobcats will plow from start of storm; Crew chief calls in 3Hr updates to Sanitation Clerks who update SSIS. Vehicles outfitted with GPS. Must obtain Vehicle Number for Maps).
- Residential trucks
 - Salt only V-box pickup (dropped plows) run routes & support bobcats
 - *Navigators call in 3hr updates to residential
 - During snowfall, pickups salt routes as usual.
 - After snow stops, as bobcats do final plowing, Crew Chiefs may call *Navigators to assemble at certain locations to coordinate final salting of streets
- Residential Managers
 - make sure updates shared between Sanitation crew chiefs & salt truck navigators
 - Foster communications.

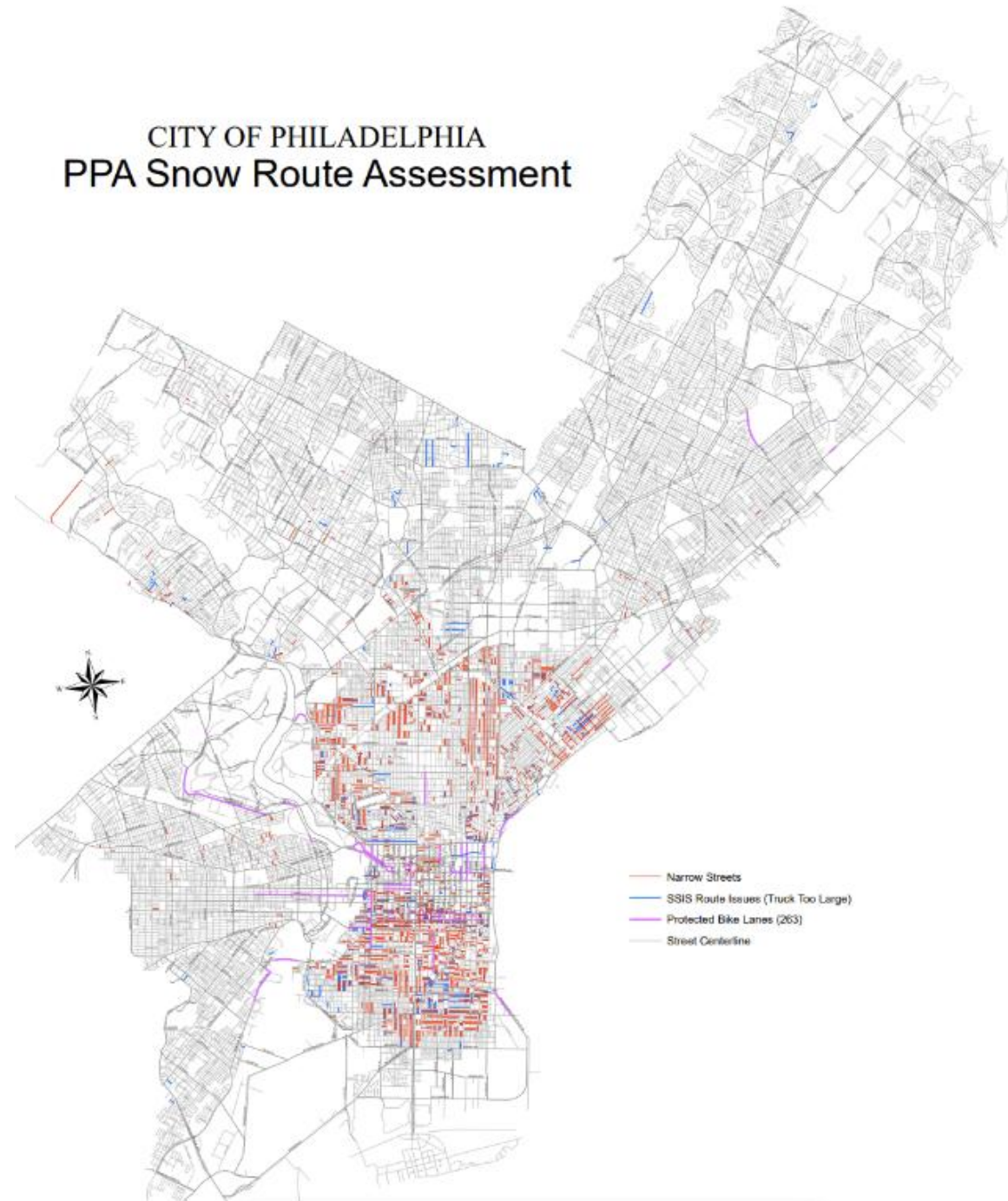


Route	Vbox Pickup (Salting)	Plowing
2Gator01	Contractor	14 Sanitation Bobcats
2Gator02	Contractor	
2Gator03	Contractor	
3Gator01	Contractor	
3Gator02	Contractor	
3Gator03	Contractor	
3Gator04	Contractor	
3Gator05	Contractor	
4Gator01	Contractor	
4Gator02	Contractor	
4Gator03	Water	
4Gator04	Contractor	

PPA Fleet

CITY OF PHILADELPHIA PPA Snow Route Assessment

Deployment of PPA staff & equipment after start of storm to address complaints and missed segments due to narrow streets.



SPEED CUSHIONS



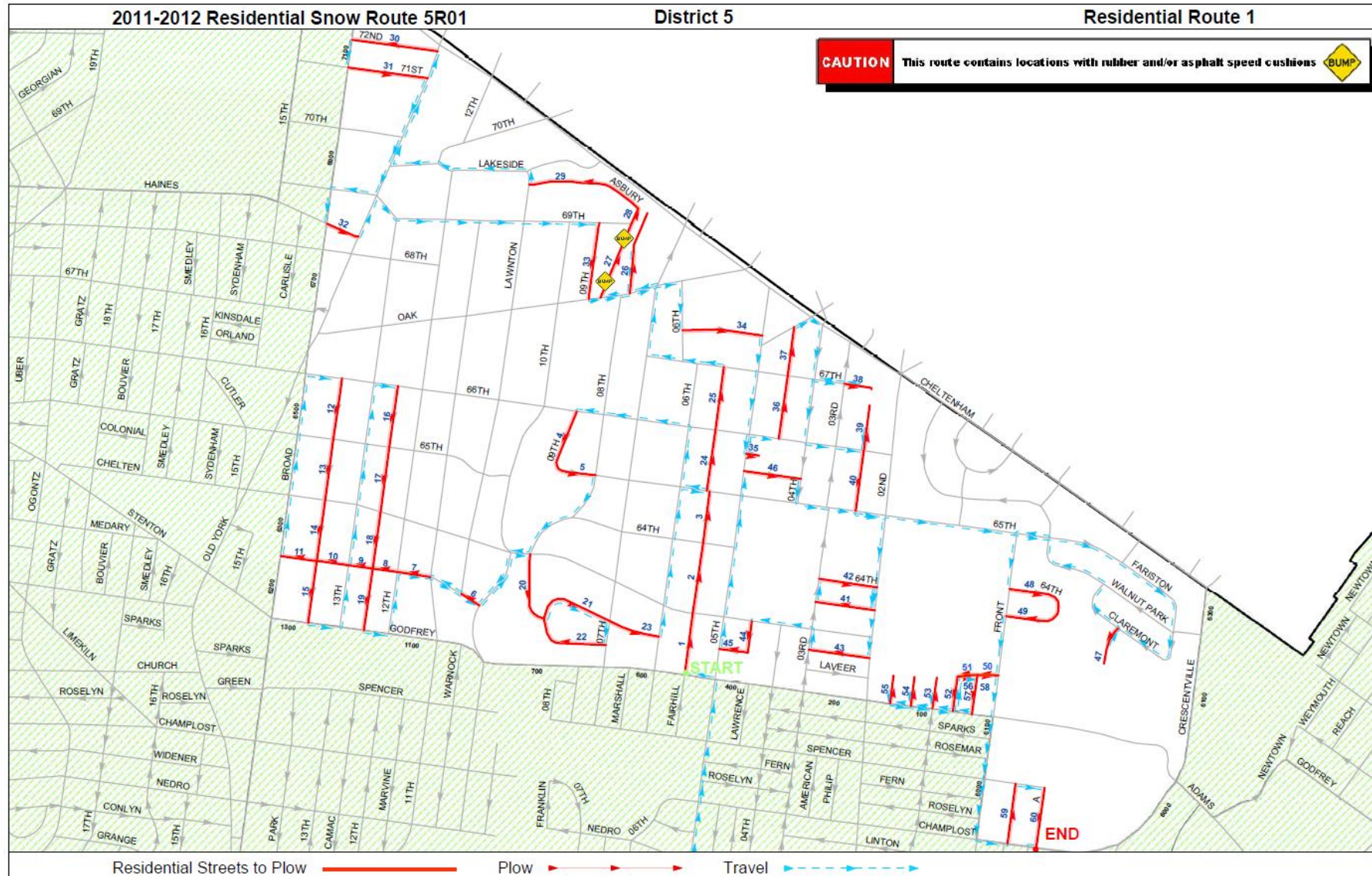
➤ Speed cushions do not effect narratives

Snow Furniture

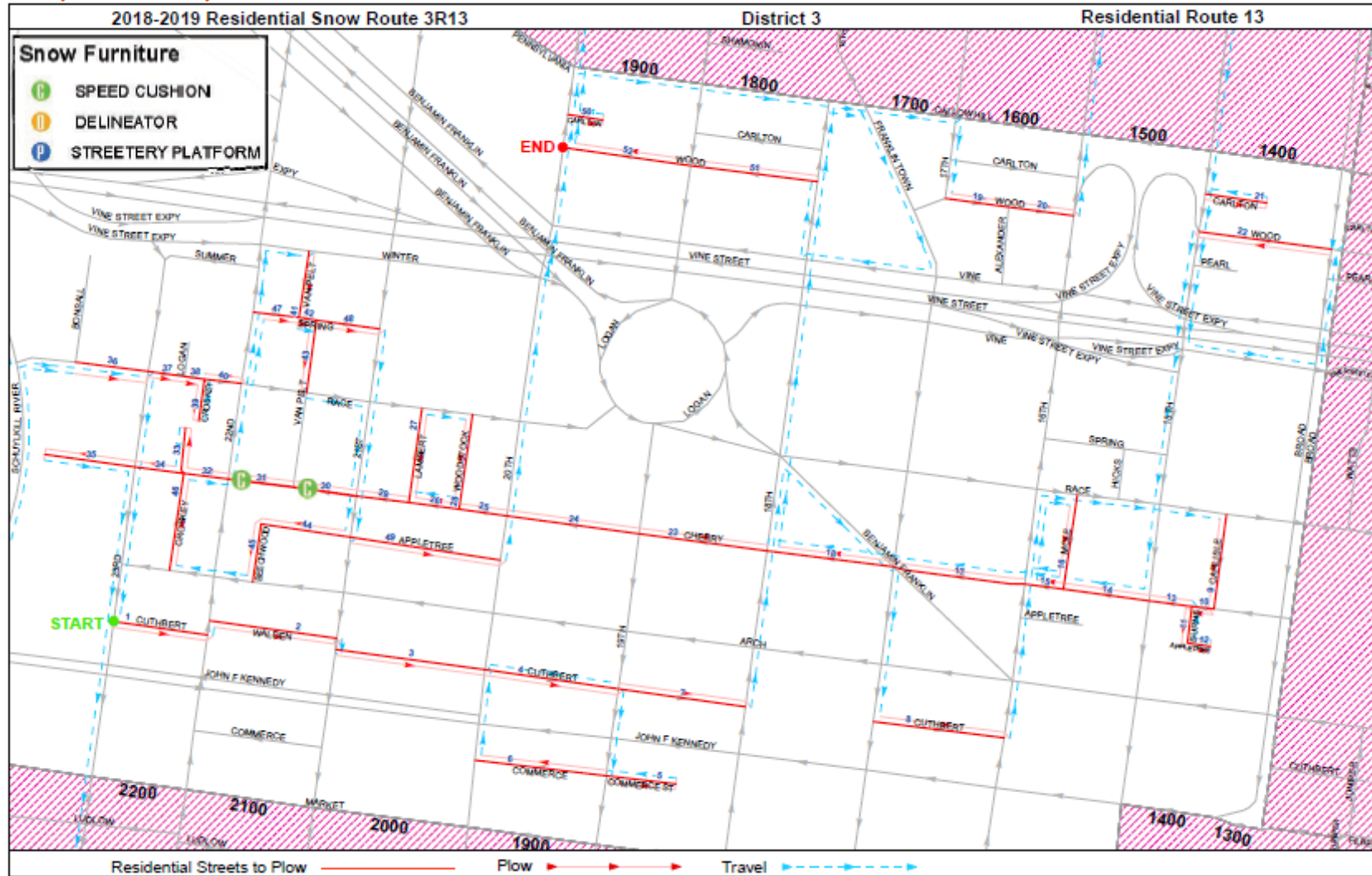
- C SPEED CUSHION
- D DELINEATOR
- P STREETERY PLATFORM

ROUTE	EDIT
1R04	SPEED CUSHION
1R06	SPEED CUSHION
1R09	SPEED CUSHION
1R10	SPEED CUSHION
1R13	SPEED CUSHION
1R17	SPEED CUSHION
3R01	SPEED CUSHION
3R03	SPEED CUSHION
3R04	SPEED CUSHION
3R06	SPEED CUSHION
3R07	SPEED CUSHION
3R08	SPEED CUSHION - ROUTE
4R04	SPEED CUSHION
4R06	SPEED CUSHION
4R11	SPEED CUSHION
4R21	ROUTE
5R04	SPEED CUSHION
5R06	SPEED CUSHION
5R18	SPEED CUSHION
5R23	SPEED CUSHION
6R03	ROUTE
6R08	ROUTE

Sample Speed Cushion Location Additions



Sample Speed Street Furniture Location Additions




Snow Status Dashboard

Graphic display of SSIS route status. Tracked at HQ.

Snow link and PlowPHL internal da

Residential Salting and/or Plowing Operation Snow Route Status Dashboard																	
Snow Storm 2017G																	
ROUTE	STATUS	RUNS	ROUTE	STATUS	RUNS	ROUTE	STATUS	RUNS	ROUTE	STATUS	RUNS	ROUTE	STATUS	RUNS	ROUTE	STATUS	RUNS
1R01	Finished	3	2R01	Finished	4	3R01	Finished	4	4R01	Finished	5	5R01	Finished	4	6R01	Finished	2
1R02	Finished	4	2R02	Finished	4	3R02	Finished	3	4R02	Finished	3	5R02	Finished	3	6R02	Finished	2
1R03	Finished	4	2R03	Finished	5	3R03	Finished	7	4R03	Finished	3	5R03	Finished	3	6R03	Finished	3
1R04	Finished	2	2R04	Finished	4	3R04	Finished	6	4R04	Finished	3	5R04	Finished	2	6R04	Finished	3
1R05	Finished	4	2R05	Finished	5	3R05	Finished	4	4R05	Finished	4	5R05	Finished	3	6R05	Finished	2
1R06	Finished	5	2R06	Finished	5	3R06	Finished	6	4R06	Finished	5	5R06	Finished	3	6R06	Finished	3
1R07	Finished	3	2R07	Finished	3	3R07	Finished	6	4R07	Finished	5	5R07	Finished	3	6R07	Finished	2
1R08	Finished	4	2R08	Finished	4	3R08	Finished	7	4R08	Finished	2	5R08	Finished	4	6R08	Finished	3
1R09	Finished	1	2R09	Finished	5	3R09	Finished	3	4R09	Finished	6	5R09	Finished	4	6R09	Finished	3
1R10	Finished	2	2R10	Finished	4	3R10	Finished	5	4R10	Finished	3	5R10	Finished	2	6R10	Finished	2
1R11	Finished	5	2R11	Finished	4	3R11	Finished	3	4R11	Finished	4	5R11	Finished	2	6R11	Finished	3
1R12	Finished	4	2R12	Finished	4	3R12	Finished	1	4R12	Finished	5	5R12	Finished	2	6R12	Finished	3
1R13	Finished	1	2R13	Finished	5	3R13	Finished	7	4R13	Finished	5	5R13	Finished	3	6R13	Finished	3
1R14	Finished	1	2R14	Finished	5	3R14	Finished	3	4R14	Finished	5	5R14	Finished	2	6R14	Finished	2
1R15	Finished	5				3R15	Finished	6	4R15	Finished	2	5R15	Finished	4	6R15	N/A	0
1R16	Finished	2				3R16	Finished	3	4R16	Finished	9	5R16	Finished	3	6R16	N/A	0
1R17	Finished	2				3R17	Finished	9	4R17	Finished	4	5R17	Finished	3	6R17	N/A	0
1R18	N/A	0				3R18	Finished	3	4R18	Finished	7	5R18	Finished	2	6R18	N/A	0
						3R19	Finished	4	4R19	Finished	4	5R19	Finished	2			
						3R20	Finished	6	4R20	Finished	6	5R20	Finished	3			
						4R21	Finished	8	5R21	Finished	8	6R21	Finished	2			
						4R22	Finished	3	5R22	Finished	3	6R22	Finished	2			
									5R23	Finished	2	6R23	Finished	2			
									5R24	Finished	1	6R24	Finished	1			
									5R25	Finished	3	6R25	Finished	3			
									5R26	Finished	3	6R26	Finished	3			
									5R27	Finished	3	6R27	Finished	3			

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Department of Streets
SNOW

<http://streetsweb.city.phila.local>

Streets IT Help Desk
215.686.5081
Streets.ITHelp@phila.gov

Snow

Snow Emergency - (215) 686-SNOW

[Snow Storm Information System \(SSIS\) manual](#)


Note:
Dashboards below require a user account.

Snow Dashboards

Residential - <http://stssqldex.city.phila.local/Reports/Pages/Report.aspx?ItemPath=/GIS/Residential+Snow+Route+Status+Dashboard>

Highways - <http://stssqldex.city.phila.local/Reports/Pages/Report.aspx?ItemPath=/GIS/Highways+Snow+Route+Status+Dashboard>

Sanitation - <http://stssqldex.city.phila.local/Reports/Pages/Report.aspx?ItemPath=/GIS/Sanitation+Snow+Route+Status+Dashboard&ViewMode=Detail>



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Division Area

Other Section

GPS Missed Location Reports


- HQ Snow Analysts will run PlowPHL GPS reports of missed locations and runs for each district. Missed segment report is generated by district
- Spotters asked to verify information on street. Print pages of report for each spotter's routes. Spotters markup report with findings in street; return to managers to help plan for cleanup of routes remaining segments that need plow & salt.
- Snow analysts asked to run in morning and night to analyze progress of clearing routes. Use to forecast remaining volume of work before event close.
- Report format shown here:

 City of Philadelphia PlowPHL Missed Streets Report for 6r						887 Missed Streets
Route	Street Name	From Street	To Street	Block	Map Seq #	Status in SSIS
6R01	DENISE DR	CUL DE SAC WEST	DEPUE AVE	500 block of DENISE DR	17	Started
6R01	HERSCHEL PL	HERSCHEL PL	HERSCHEL PL	1300 block of HERSCHEL PL	18	Started
6R01	DEPUE AVE	DEAD END SOUTH	LINDENHURST ST	13000 block of DEPUE AVE	20	Started
6R01	MILFORD ST	HEMLOCK ST	HERSCHEL RD	15000 block of MILFORD ST	22	Started
6R01	HEMLOCK ST	MILFORD ST	CARTER RD	2600 block of HEMLOCK ST	24	Started
6R01	LEWIS ST	BYBERRY RD	WARWICK ST	13000 block of LEWIS ST	25	Started
6R01	POQUESSING AVE	STATION RD	DEAD END EAST	600 block of POQUESSING AVE	27	Started
6R01	KELVIN AVE	EDISON AVE	SOUTHAMPTON RD	14000 block of KELVIN AVE	40	Started
6R01	LINDSAY ST	NAPIER ST	EDISON AVE	13400 block of LINDSAY ST	41	Started

Salt Reporting

- ✓ Driver or Navigator calls in Salt Totals
- ✓ Salt Domes have GPS field that tracks when vehicles arrive and leave. Calculates as assumed fill

TRUCK SALT CAPACITY

TRUCK	FY	FULL LOAD, TONS
V - BOX, ANY 	ANY	2
HIGHWAYS CREWCAB, 4 CY	99's	6
HIGHWAYS CREWCAB, 5 CY	97's, 01's, 02's, 07's, 10's	7
WATER OR PARKS CREWCAB	ANY	7
HIGHWAYS TANDEM, 12 CY	00's	14
MDO TANDEM, 14 CY	920134	16
HIGHWAYS TRIAXLE, 17 CY (CMU)	03's, 07's	19
HIGHWAYS TRIAXLE, 19 CY(CMU)	96's, 02's	21
HIGHWAYS TRIAXLE, 35 CY (CMU)	000053, 000054	37
HIGHWAYS TANDEM, 37CY (CMU)	97's	39



Ranger pickup V-Box 1 ton

F350 pickup V Box 2 ton

Snow Melter



Snow Melter



Snow Melter



Snow Melter



Snow Melter



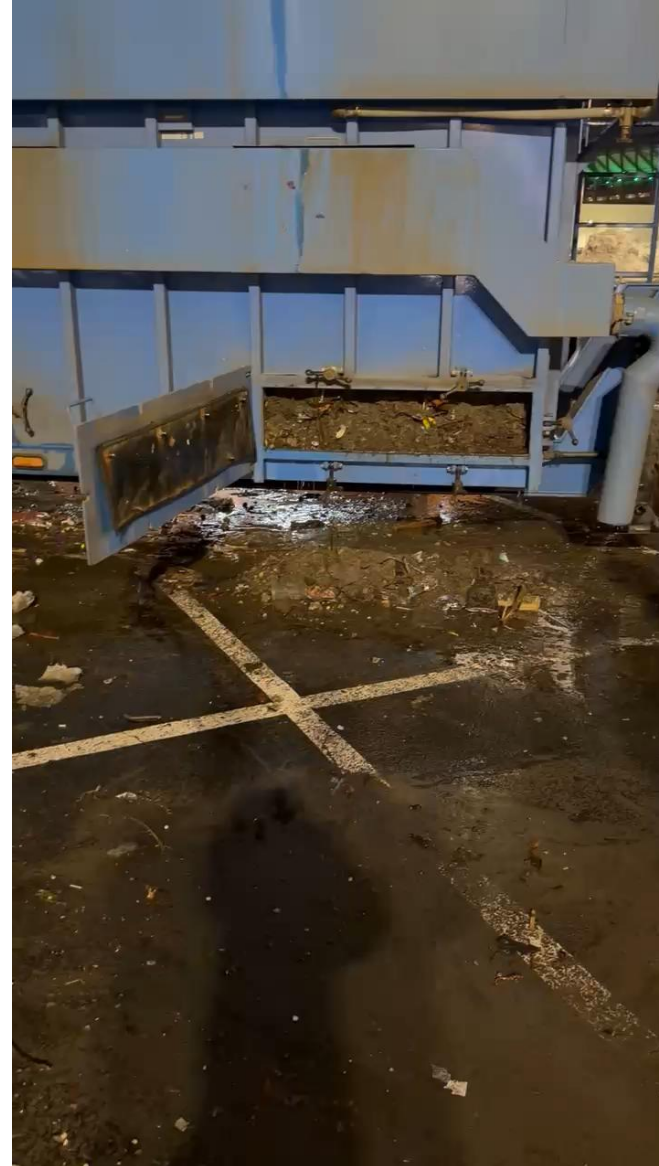
Snow Lifting



Snow Melters



Snow Melter



Snow Lifting



Snow Lifting



Snow Lifting



Thank you!

