



# PVD GREAT STREETS

## Appendix B: High-Injury Network Update 2021

Collisions occur every day in Providence, and unfortunately, each year still adds new serious injuries and fatalities to the data used to track our progress toward Vision Zero. In 2021, the City updated some of the underlying analysis to the Vulnerable Road User Safety Action Plan, including mapping the City's high-injury network.



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CITY OF PROVIDENCE

<https://www.providenceri.gov/planning/great-streets/>

## Intersections with the most crashes involving people walking & biking since 2009

Data through May 2021

Highlighted intersections are state-controlled

fid	Name	Annual crashes 09-21					
		Total	Bike	Ped	Bike	Ped	Both
6456	Memorial Blvd / Francis St / Rt 6 W	2.33	0.42	1.91	Top 20	Top 20	2
5021	Empire St / Washington St	2.08	0.5	1.58	Top 20	Top 20	2
4731	Broad St / Portland St	1.66	0.33	1.33	Top 20	Top 20	2
6512	Chalkstone Ave / Smith St / Bath St / Camden St	1.66	0.58	1.08	Top 20	Top 20	2
2930	Memorial Blvd / Westminster St / College St	1.58	0.5	1.08	Top 20	Top 20	2
4994	Broad St / John J Partington Way / W Franklin St	1.41	0.33	1.08	Top 20	Top 20	2
775	N Main St between Olney & Doyle	1.41	0.42	1	Top 20	Top 20	2
6578	N Main St / Randall St / Doyle Ave	1.16	0.33	0.83	Top 20	Top 20	2
6412	Broad St / Fricker St / Lockwood St	1.41	0.08	1.33		Top 20	1
6438	Atwells Ave / Dean St	1.25	-	1.25		Top 20	1
6358	Broad St / Thurbers Ave / Lenox Ave	1.16	0.17	1		Top 20	1
4257	Cranston St / Dexter St	1.16	0.25	0.92		Top 20	1
5227	Dorrance St / Washington St	1.16	0.33	0.83		Top 20	1
5486	College St / N Main St / S Main St	1.16	0.42	0.75	Top 20		1
3591	Academy Ave / Chalkstone Ave	1.08	0.08	1		Top 20	1
5085	Adelaide Ave / Broad St	1.08	0.08	1		Top 20	1
5088	Finance Way / Francis St	1.08	0.08	1		Top 20	1
6419	Cranston St / Messer St / Hanover St	1.08	0.25	0.83		Top 20	1
6458	Exchange Ter / Memorial Blvd / Steeple St	1.08	0.25	0.83		Top 20	1
6475	Manton Ave / Westminster St / San Souci Dr / Libra	1.08	0.5	0.58	Top 20		1
4933	Broad St / Cahir St / Stewart St	1.08	0.58	0.5	Top 20		1
6360	Broad St / Public St	1	0.5	0.5	Top 20		1
4688	Candace St / Orms St / Smith St	0.92	0.42	0.5	Top 20		1
6497	Chalkstone Ave / Geneva St	0.83	-	0.83		Top 20	1
5251	Dorrance St / Fulton St	0.83	-	0.83		Top 20	1
6485	Atwells Ave / Manton Ave / Salmon St / Parnell St	0.83	0.42	0.42	Top 20		1
4651	Broadway / Dean St	0.83	0.42	0.42	Top 20		1
3992	Eagle St / Harris Ave	0.83	0.42	0.42	Top 20		1
6474	Broadway / Westminster St / Valley St / Troy St	0.83	0.67	0.17	Top 20		1
3749	Delaine St / Valley St	0.58	0.42	0.17	Top 20		1
3544	Manton Ave / Chaffee St	0.5	0.42	0.08	Top 20		1
5290	Charles St / Orms St	0.42	0.42	-	Top 20		1

## Corridors with the most crashes involving people walking & biking since 2009

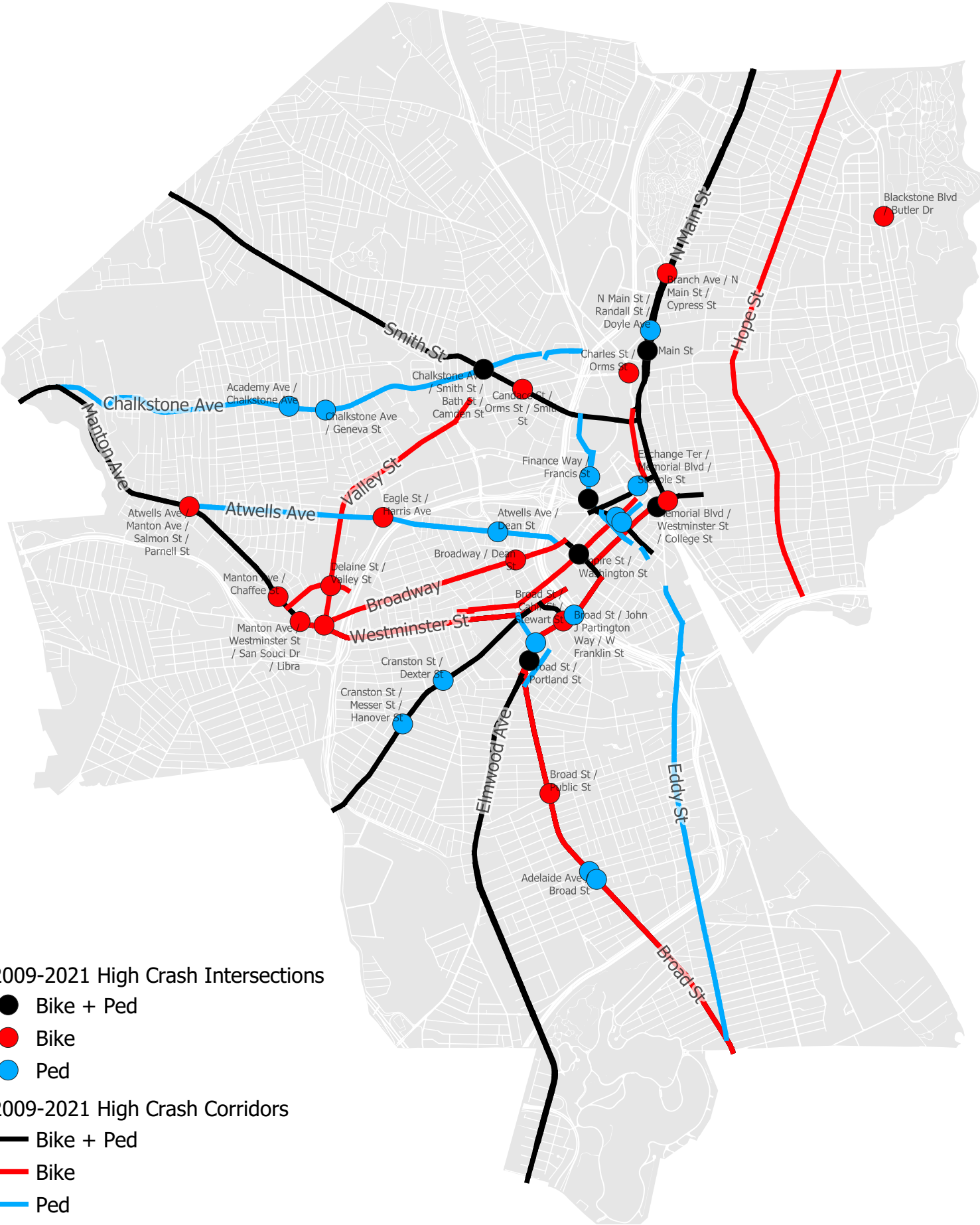
Data through May 2021

Highlighted corridors are largely state-controlled

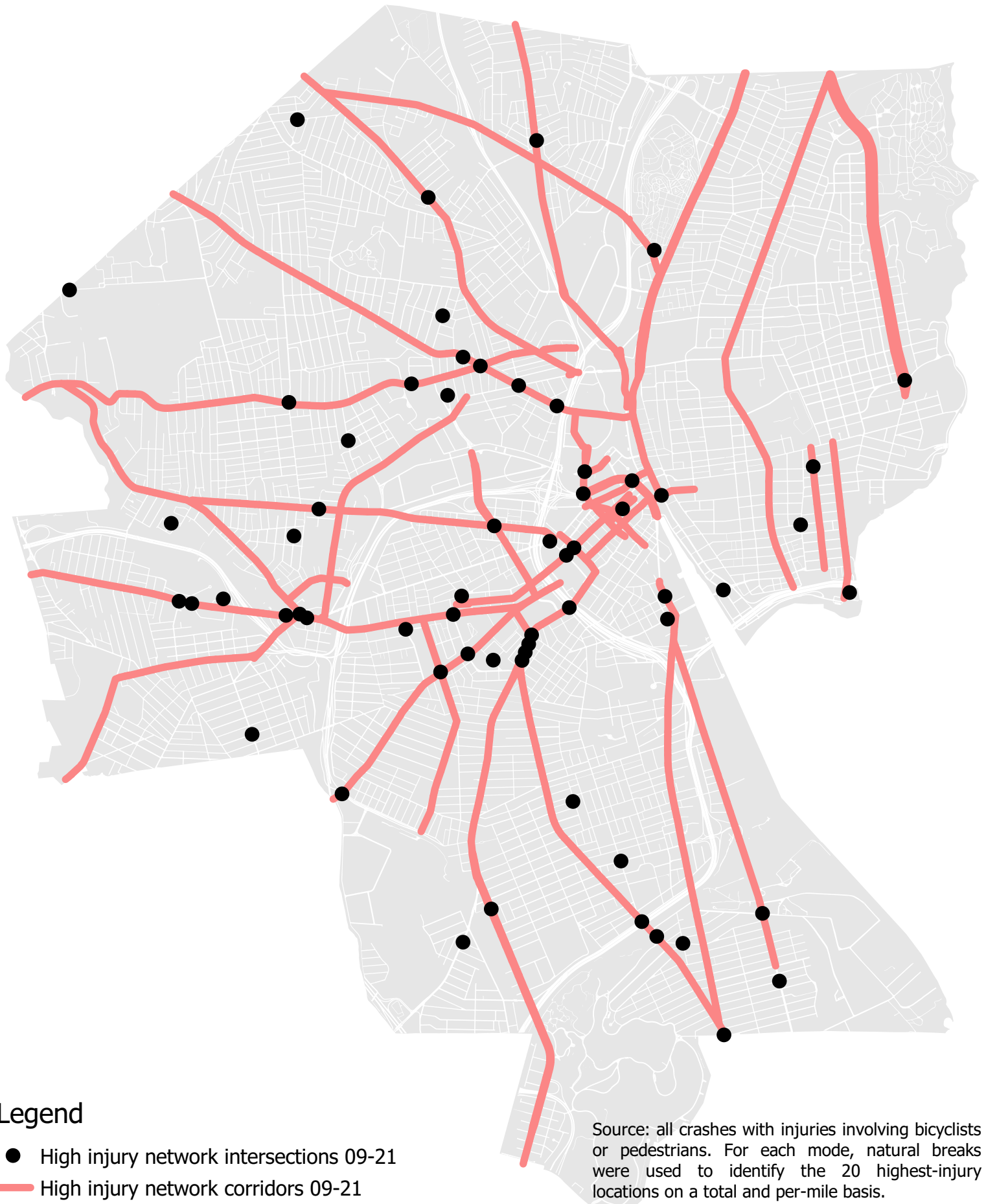
Street	Annual crashes			Length (mi)	Annual crashes per mile			Top 20		Metrics in 10 worst	Rank	
	Total	Bike	Ped		Total	Bike	Ped	Bike	Ped		Bike	Ped
<b>Broad St</b>	26.21	6.32	19.88	3.02	8.68	2.10	6.59	total & per mile	total	3	11	11
<b>Westminster St</b>	13.98	5.24	8.74	1.87	7.46	2.80	4.66	total & per mile	total	3	8	14
<b>Steeple St</b>	1.75	0.42	1.33	0.1	16.8	4.00	12.80	per mile	per mile	2	3	1
College St	3.66	1.16	2.5	0.23	16.02	5.10	10.92	per mile	per mile	2	2	5
Empire St	4.16	1	3.16	0.26	15.8	3.79	12.01	per mile	per mile	2	4	2
Dorrance St	5.16	1	4.16	0.36	14.45	2.80	11.66	per mile	per mile	2	8	4
Exchange Ter	3.83	0.58	3.24	0.27	14.09	2.14	11.95	per mile	per mile	2	10	3
Cahir St	1.91	0.83	1.08	0.16	11.92	5.18	6.74	per mile	per mile	2	1	10
Cranston St	8.49	2.41	6.07	1.41	6.04	1.72	4.32	total	total	2	14	15
Manton Ave	10.07	2.75	7.32	2.05	4.91	1.34	3.57	total	total	2	16	19
<b>Smith St</b>	9.48	2.41	7.07	2.64	3.59	0.91	2.68	total	total	2	22	20
<b>Elmwood Ave</b>	11.56	3.24	8.32	4.23	2.73	0.77	1.97	total	total	2	25	23
<b>N Main St</b>	9.82	3.66	6.16	4.05	2.42	0.90	1.52	total	total	2	23	26
Fricker St	2	0.17	1.83	0.17	11.65	0.97	10.68		per mile	1	20	6
Francis St	6.32	1	5.32	0.56	11.22	1.77	9.45		per mile	1	13	8
Fulton St	1.83	0.17	1.66	0.17	10.62	0.97	9.66		per mile	1	20	7
Hayward St	1.66	0.25	1.41	0.2	8.24	1.24	7.00		per mile	1	17	9
Washington St	8.82	3.16	5.66	1.09	8.12	2.91	5.21	total & per mile		1	6	12
Broadway	9.15	4.16	4.99	1.37	6.67	3.03	3.64	total & per mile		1	5	17
Atwells Ave	11.31	2.08	9.23	1.87	6.04	1.11	4.93		total	1	18	13
Canal St	2.08	0.75	1.33	0.36	5.83	2.10	3.73	per mile		1	11	16
Delaine St	1.58	1	0.58	0.34	4.59	2.90	1.69	per mile		1	7	24
Chalkstone Ave	12.15	2.25	9.9	2.72	4.46	0.83	3.64		total	1	24	17
Valley St	5.99	2.41	3.58	1.44	4.17	1.68	2.49	total		1	15	21
Eddy St	7.99	1.75	6.24	2.61	3.06	0.67	2.39		total	1	26	22
Hope St	7.24	2.83	4.41	2.78	2.6	1.02	1.59	total		1	19	25

\*Broad St is state-owned north of Bridgman, and that portion has a particularly high crash rate

# Providence High Crash Network



# High-injury network



## Legend

- High injury network intersections 09-21
- High injury network corridors 09-21

Source: all crashes with injuries involving bicyclists or pedestrians. For each mode, natural breaks were used to identify the 20 highest-injury locations on a total and per-mile basis.