

Staples Mill Corridor

Localities: Richmond, Henrico, Hanover

24.8 miles, 1,463 crashes (March 31, 2021 – March 31, 2026)

Injury Severity	
K	13
A	53
B	343
C	67
O	987

Weather	
No Adverse	1,305
Rain	125
Fog	3
Snow	8
Mist	20

Lighting	
Daylight	1,020
Dawn/Dusk	66
Dark – Road Lighted	108
Dark – Road Not Lighted	264

Crash Type					
Angle	500	Pedestrian	18	Non-Collision	17
Rear End	502	Bicyclist	1	Backed Into	2
Head On	27	Motorcyclist	0	Deer/Animal	58
Sideswipe SD	121	Fixed Object – In Road	13	Other	36
Sideswipe OD	10	Fixed Object – Off Road	157		

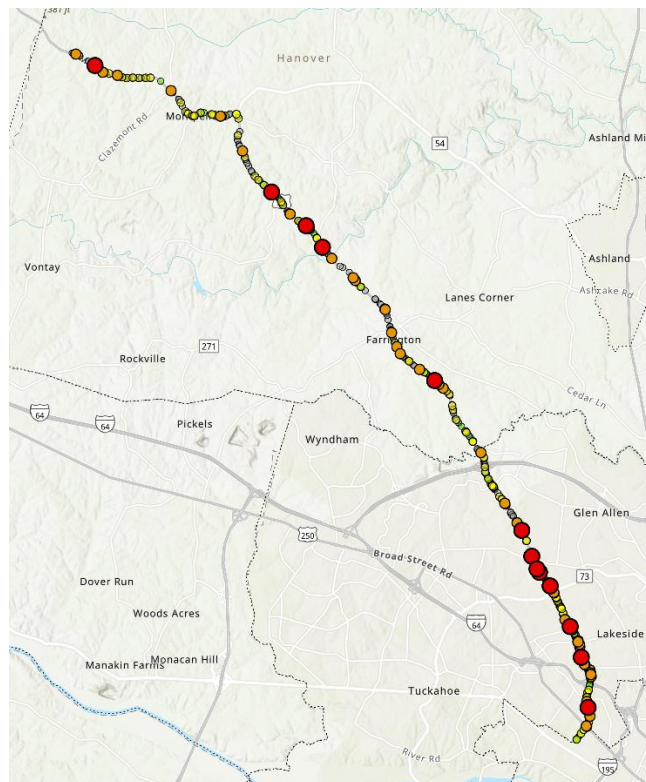
Fatal Crash Share: 0.9%

Fatalities Per Mile: 0.5

All Crashes Per Mile: 56.3

219.5 crashes per 100M VMT

9.9 KA rate per 100M VMT



Mechanicsville Corridor

Localities: Richmond, Henrico, Hanover

16.9 miles, 1,634 crashes (March 31, 2021 – March 31, 2026)

Injury Severity	
K	9
A	69
B	425
C	60
O	1,071

Weather	
No Adverse	1,449
Rain	163
Fog	1
Snow	6
Mist	13

Lighting	
Daylight	1,077
Dawn/Dusk	110
Dark – Road Lighted	200
Dark – Road Not Lighted	244

Crash Type					
Angle	595	Pedestrian	29	Non-Collision	12
Rear End	578	Bicyclist	2	Backed Into	4
Head On	27	Motorcyclist	2	Deer/Animal	64
Sideswipe SD	150	Fixed Object – In Road	7	Other	42
Sideswipe OD	12	Fixed Object – Off Road	110		

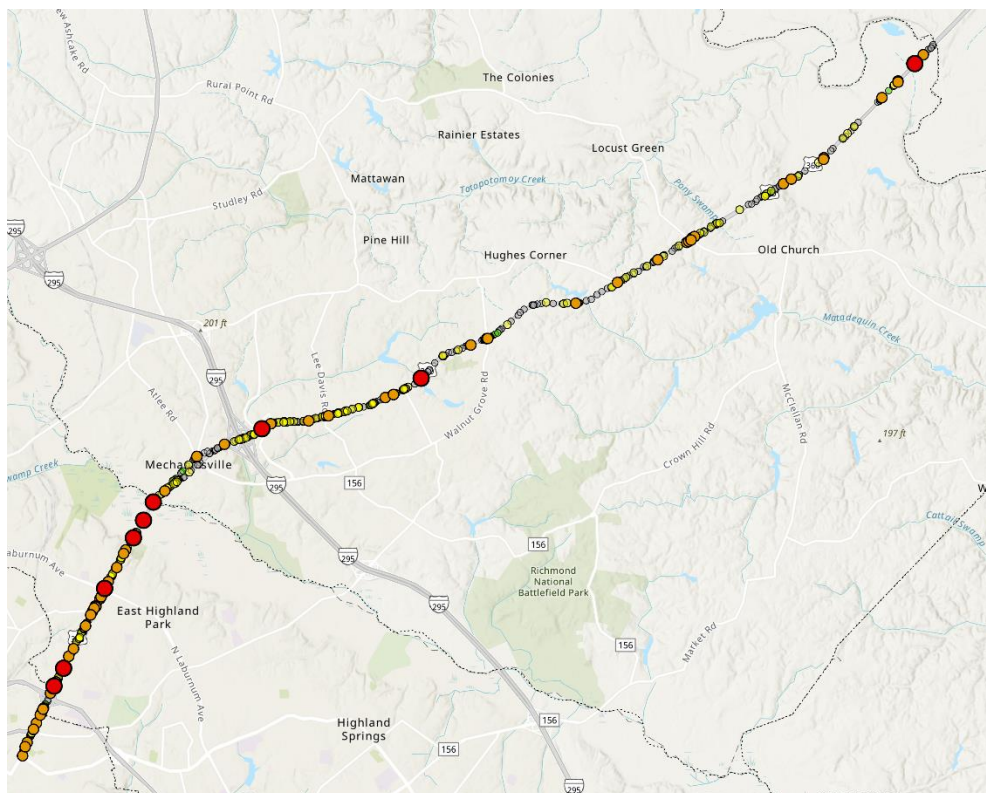
Fatal Crash Share: 0.6%

Fatalities Per Mile: 0.53

All Crashes Per Mile: 96.7

188.4 crashes per 100M VMT

9.0 KA rate per 100M VMT



Patterson Corridor

Localities: Henrico, Goochland

8.4 miles, 606 crashes (March 31, 2021 – March 31, 2026)

Injury Severity	
K	3
A	16
B	135
C	34
O	418

Weather	
No Adverse	536
Rain	57
Fog	0
Snow	3
Mist	9

Lighting	
Daylight	437
Dawn/Dusk	35
Dark – Road Lighted	33
Dark – Road Not Lighted	101

Crash Type					
Angle	264	Pedestrian	6	Non-Collision	1
Rear End	203	Bicyclist	0	Backed Into	1
Head On	13	Motorcyclist	0	Deer/Animal	25
Sideswipe SD	41	Fixed Object – In Road	4	Other	13
Sideswipe OD	3	Fixed Object – Off Road	32		

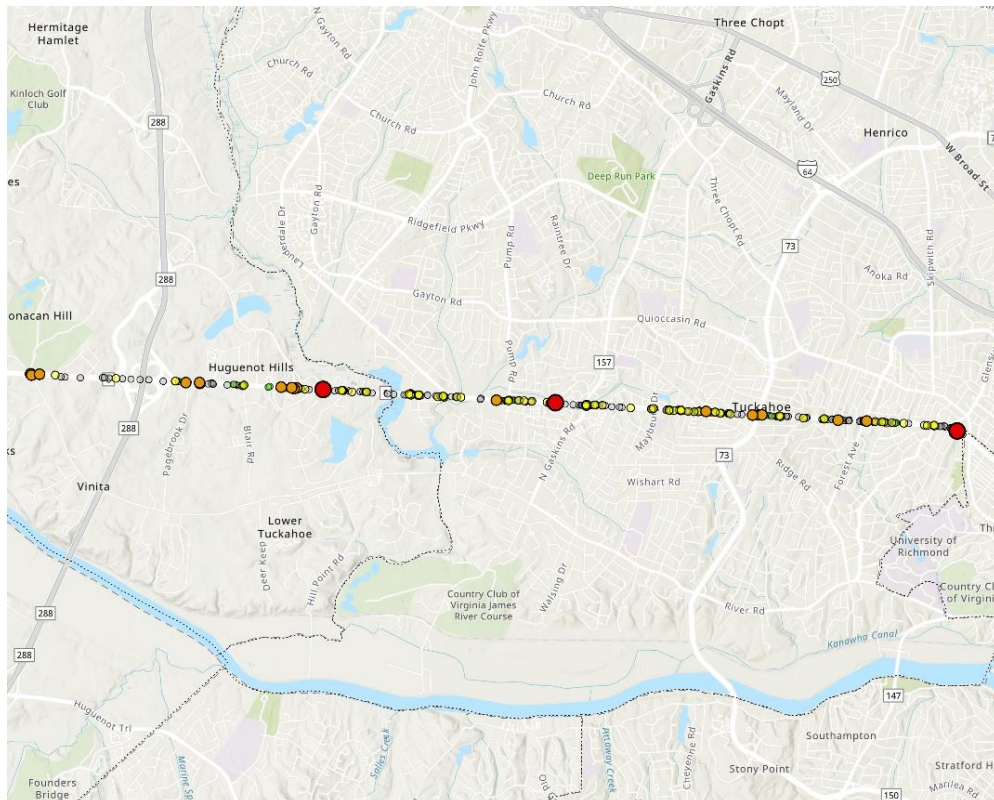
Fatal Crash Share: 0.5%

Fatalities Per Mile: 0.32

All Crashes Per Mile: 64.5

166.4 crashes per 100M VMT

5.2 KA rate per 100M VMT



Huguenot/Courthouse Corridor

Localities: Henrico, Richmond, Chesterfield

18.2 miles, 1,398 crashes (March 31, 2021 – March 31, 2026)

Injury Severity	
K	4
A	38
B	287
C	39
O	1,030

Weather	
No Adverse	1,229
Rain	143
Fog	2
Snow	16
Mist	7

Lighting	
Daylight	1,021
Dawn/Dusk	93
Dark – Road Lighted	97
Dark – Road Not Lighted	182

Crash Type					
Angle	556	Pedestrian	2	Non-Collision	6
Rear End	544	Bicyclist	0	Backed Into	0
Head On	26	Motorcyclist	0	Deer/Animal	58
Sideswipe SD	105	Fixed Object – In Road	3	Other	10
Sideswipe OD	6	Fixed Object – Off Road	82		

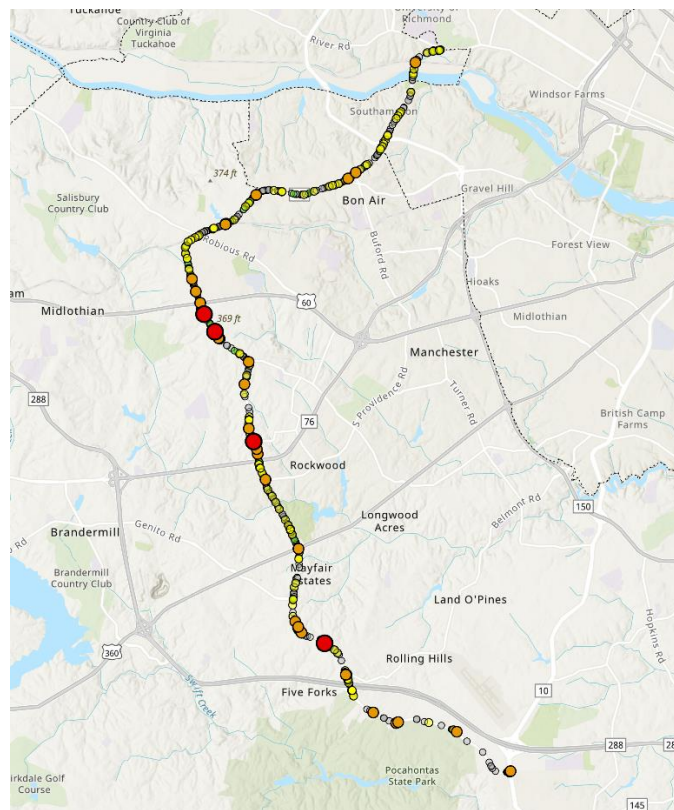
Fatal Crash Share: 0.3%

Fatalities Per Mile: 0.22

All Crashes Per Mile: 76.8

161.8 crashes per 100M VMT

4.9 KA rate per 100M VMT



Anderson/Midlothian Corridor

Localities: Richmond, Chesterfield, Powhatan

37.5 miles, 3,719 crashes (March 31, 2021 – March 31, 2026)

Injury Severity	
K	20
A	116
B	801
C	156
O	2,626

Weather	
No Adverse	3,262
Rain	411
Fog	2
Snow	24
Mist	19

Lighting	
Daylight	2,733
Dawn/Dusk	185
Dark – Road Lighted	405
Dark – Road Not Lighted	394

Crash Type					
Angle	1,229	Pedestrian	48	Non-Collision	21
Rear End	1,647	Bicyclist	1	Backed Into	4
Head On	44	Motorcyclist	1	Deer/Animal	76
Sideswipe SD	341	Fixed Object – In Road	21	Other	44
Sideswipe OD	15	Fixed Object – Off Road	227		

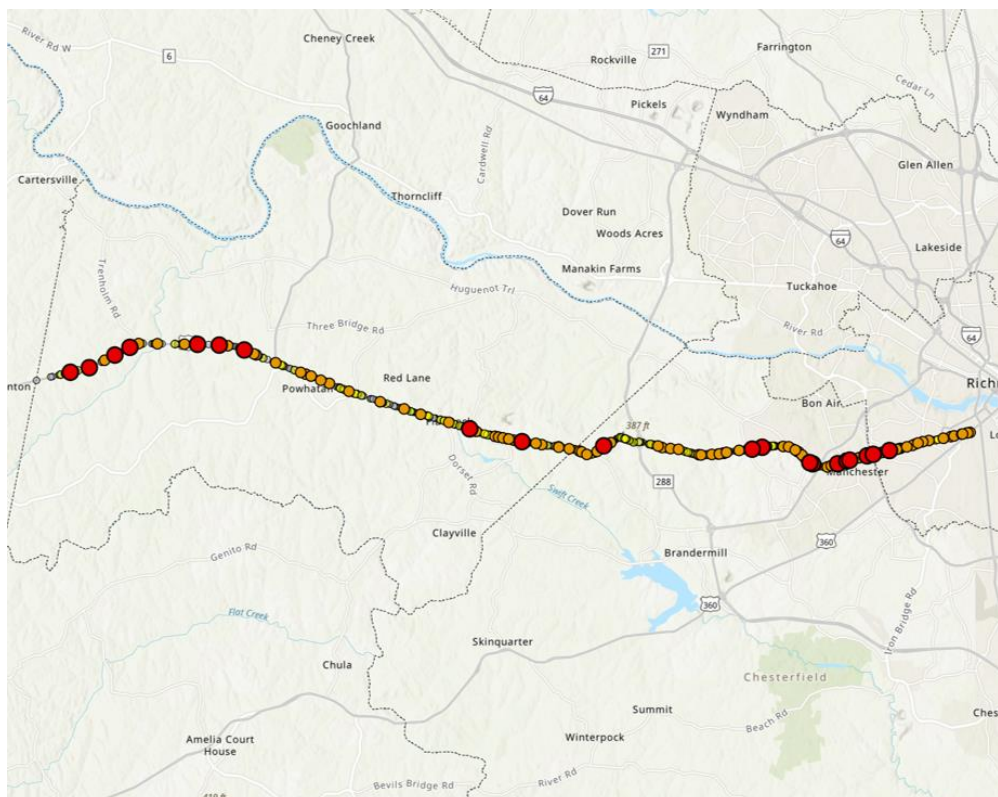
Fatal Crash Share: 0.5%

Fatalities Per Mile: 0.53

All Crashes Per Mile: 99.2

193.5 crashes per 100M VMT

7.1 KA rate per 100M VMT



Broad Rock/Hundred Corridor

Localities: Richmond, Chesterfield

24.6 miles, 2,922 crashes (March 31, 2021 – March 31, 2026)

Injury Severity	
K	17
A	93
B	669
C	156
O	1,987

Weather	
No Adverse	2,600
Rain	275
Fog	7
Snow	17
Mist	23

Lighting	
Daylight	1,879
Dawn/Dusk	234
Dark – Road Lighted	425
Dark – Road Not Lighted	363

Crash Type					
Angle	1,057	Pedestrian	33	Non-Collision	15
Rear End	1,064	Bicyclist	3	Backed Into	4
Head On	54	Motorcyclist	2	Deer/Animal	74
Sideswipe SD	315	Fixed Object – In Road	8	Other	47
Sideswipe OD	7	Fixed Object – Off Road	240		

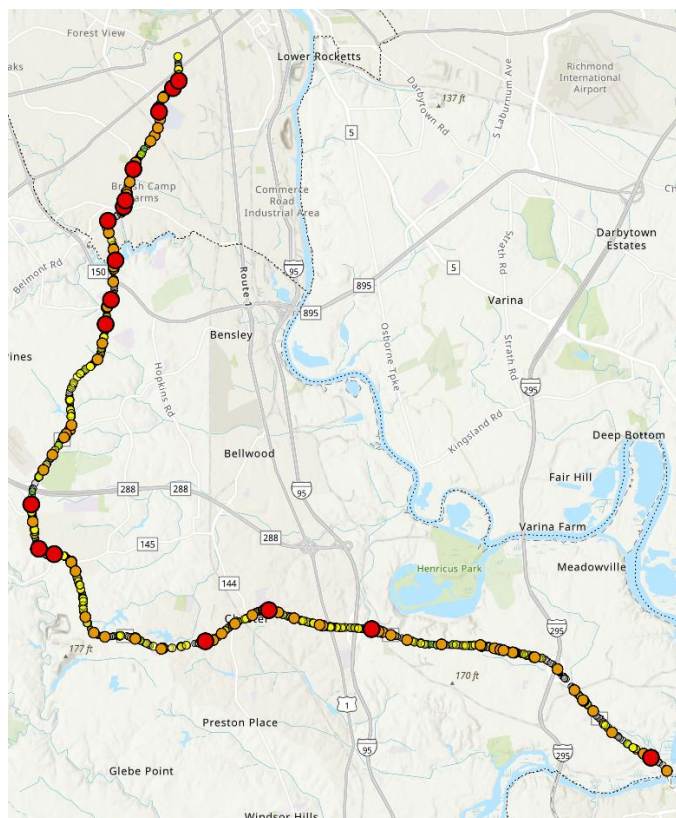
Fatal Crash Share: 0.6%

Fatalities Per Mile: 0.69

All Crashes Per Mile: 118.8

211.9 crashes per 100M VMT

8.0 KA rate per 100M VMT



Roxbury Corridor

Localities: Charles City, New Kent

12.5 miles, 86 crashes (*March 31, 2021 – March 31, 2026*)

Injury Severity	
K	3
A	9
B	18
C	0
O	56

Weather	
No Adverse	81
Rain	3
Fog	2
Snow	0
Mist	0

Lighting	
Daylight	51
Dawn/Dusk	4
Dark – Road Lighted	3
Dark – Road Not Lighted	28

Crash Type					
Angle	28	Pedestrian	0	Non-Collision	1
Rear End	8	Bicyclist	0	Backed Into	1
Head On	2	Motorcyclist	0	Deer/Animal	15
Sideswipe SD	3	Fixed Object – In Road	1	Other	5
Sideswipe OD	4	Fixed Object – Off Road	18		

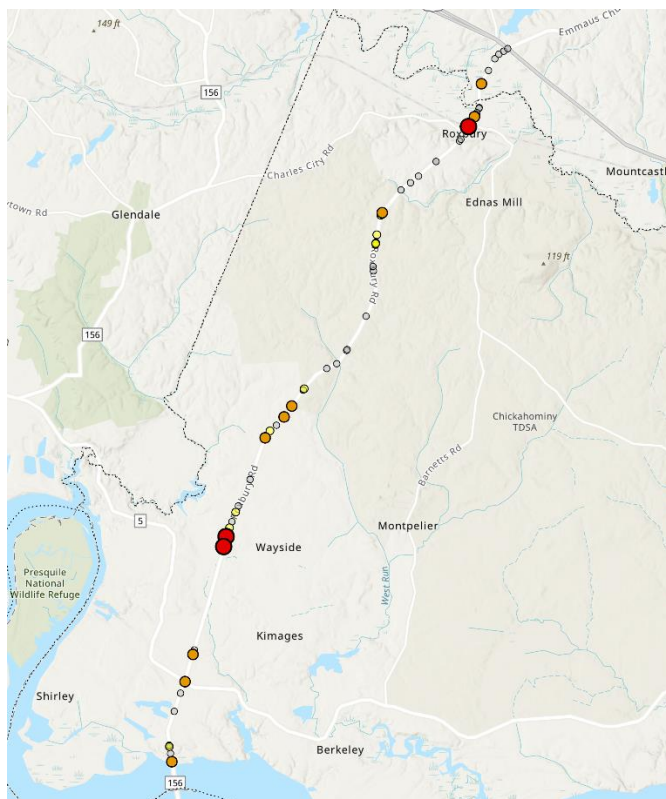
Fatal Crash Share: 3.5%

Fatalities Per Mile: 0.24

All Crashes Per Mile: 6.9

104.4 crashes per 100M VMT

14.6 KA rate per 100M VMT



Arthur Ashe/Lakeside Corridor

Localities: Richmond, Henrico

4.3 miles, 731 crashes (March 31, 2021 – March 31, 2026)

Injury Severity	
K	5
A	19
B	176
C	44
O	487

Weather	
No Adverse	653
Rain	69
Fog	0
Snow	5
Mist	3

Lighting	
Daylight	461
Dawn/Dusk	29
Dark – Road Lighted	227
Dark – Road Not Lighted	12

Crash Type					
Angle	406	Pedestrian	15	Non-Collision	1
Rear End	134	Bicyclist	0	Backed Into	2
Head On	23	Motorcyclist	1	Deer/Animal	0
Sideswipe SD	76	Fixed Object – In Road	3	Other	32
Sideswipe OD	6	Fixed Object – Off Road	2		

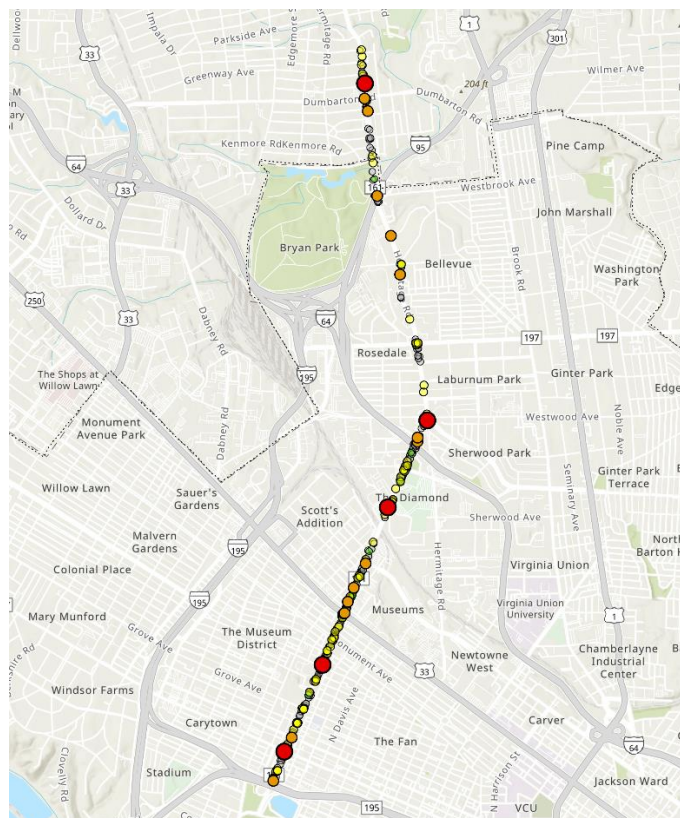
Fatal Crash Share: 0.7%

Fatalities Per Mile: 1.2

All Crashes Per Mile: 170

651.9 crashes per 100M VMT

21.4 KA rate per 100M VMT



Crash Corridor Statistics

Corridor	Length (mi)	Total crashes	K	A	KA	Ped	Weighted avg AADT	Period VM V x 365 x N x L	Total crash rate per 100 MVMT	KA rate per 100 MVMT	Crashes per mile	Ped per mile
Staples Mill	26	1,463	13	53	66	18	14,065	666,421,563	219.5	9.90	56.3	0.69
Mechanicsville Tnpk	17	1,634	9	69	78	29	28,126	867,476,155	188.4	8.99	96.7	1.72
Patterson	9.4	606	3	16	19	6	21,234	364,120,350	166.4	5.22	64.5	0.64
Huguenot/Courthouse	18.2	1,398	4	38	42	2	26,017	864,154,655	161.8	4.86	76.8	0.11
Anderson/Midlothian	37.5	3,719	20	116	136	48	28,080	1,921,725,000	193.5	7.08	99.2	1.28
Broad Rock/Hundred	24.6	2,922	17	93	110	33	30,722	1,379,264,190	211.9	7.98	118.8	1.34
Roxbury	12.5	86	3	9	12	0	3,610	82,353,125	104.4	14.57	6.9	0.00
Arthur Ashe/Lakeside	4.3	731	5	19	24	15	14,290	112,140,775	651.9	21.40	170.0	3.49

Note on traffic volumes: Crash counts and corridor lengths are drawn from the regional High Injury Network. Traffic volumes are drawn from VDOT's published ADT layer, whose segment breaks are defined by VDOT's linear referencing system and do not align exactly with HIN corridor limits.

Weighted average AADT for each corridor therefore reflects the VDOT segments that best approximate the corridor footprint, which may extend slightly beyond or fall slightly short of it. Differences are under half a mile on most corridors; the largest are Broad Rock/Iron Bridge, where available ADT segments cover approximately two miles less than the corridor, and Arthur Ashe/Hermitage, where they cover approximately 0.7 miles more.

Rates should be read as screening-level comparisons rather than precise values.