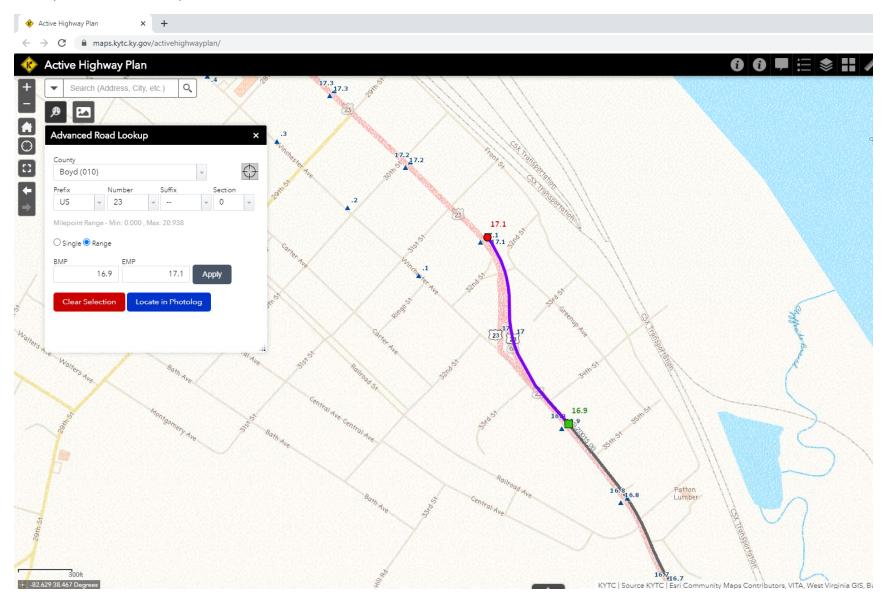




Appendix B. Crash Data and EEC Analysis

US 23 (MP 16.9 TO MP 17.1)



US 23 Greenup and Winchester Ave. South (MP 16.9 to MP 17.1)



US 23 – Greenup – Winchester Ave. - SOUTH

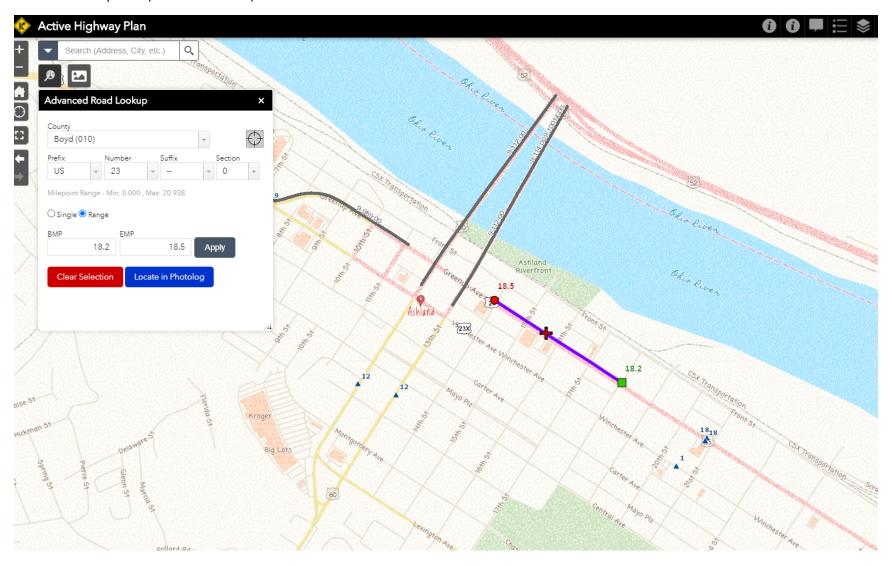
Total Crashes: 12

Injury Crashes: 2

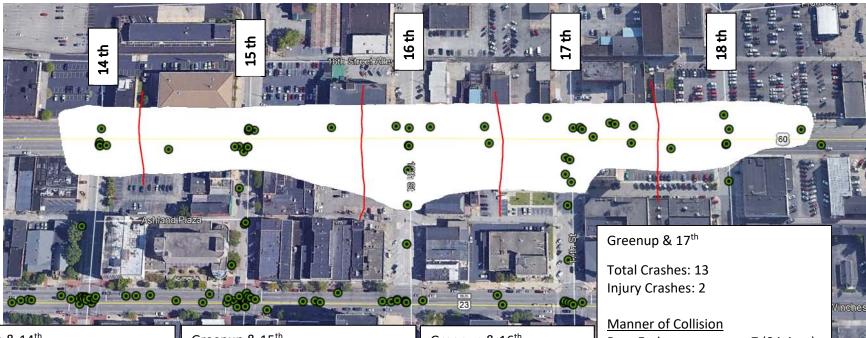
Manner of Collision

Rear End: 4 (0 injury)
Sideswipe Same: 3 (0 injury)
Single Vehicle 3 (2 injury)
Angle Crashes: 2 (0 injury)

US 23 - Greenup Ave. (MP 18.2 TO 18.5)



US 23 - Greenup Ave. (MP 18.2 TO 18.5)



Greenup & 14th

Total Crashes: 6

Injury Crashes: 1

Manner of Collision

Single Vehicle 2 (0 injury)
Sideswipe Same: 1 (0 injury)
Angle Crashes: 1 (1 injury)
Backing: 1 (0 injury)
Opposing Left Turn: 1 (0 injury)

Greenup & 15th

Total Crashes: 11

Injury Crashes: 1

Manner of Collision

Rear End 6 (1 injury)
Sideswipe Same: 3 (0 injury)
Backing: 1 (0 injury)
Opposing Left Turn: 1 (0 injury)

Greenup & 16th

Total Crashes: 9

Injury Crashes: 0

Manner of Collision

Rear End 4
Backing: 2
Angle 2
Sideswipe Same: 1

Rear End 7 (0 injury)
Sideswipe Same: 2 (0 injury)
Single Vehicle: 2 (2 injury)
Angle: 1 (0 injury)
Head on: 1 (0 injury)

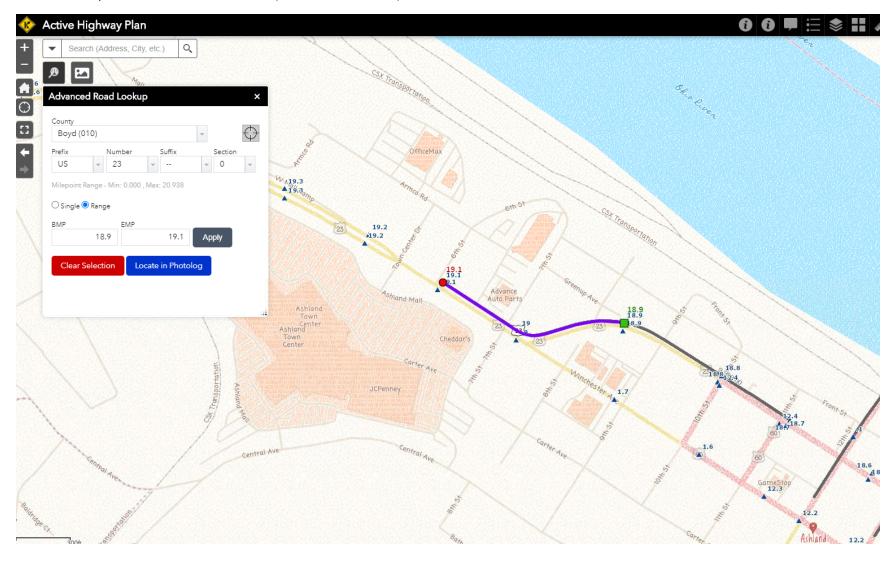
Greenup & 18th

Total Crashes: 6 Injury Crashes: 1

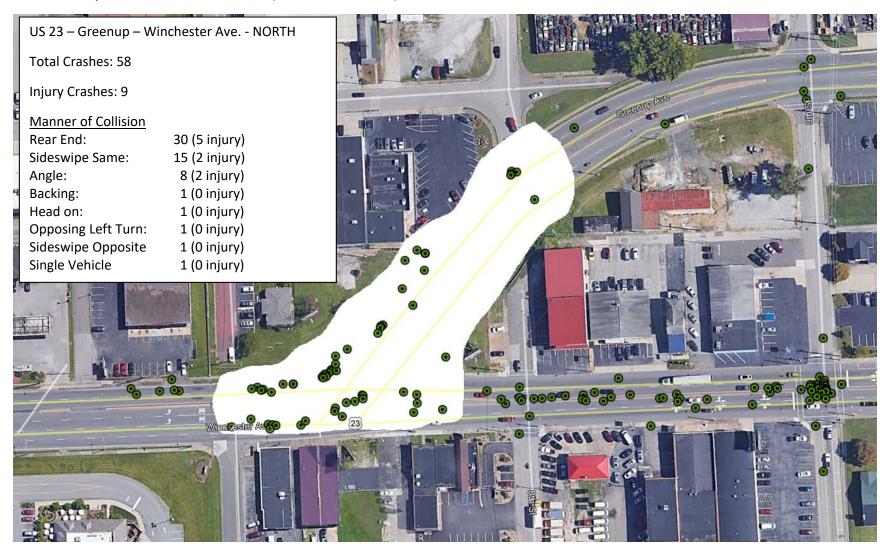
Manner of Collision

Angle: 2 (1 injury)
Backing: 2 (0 injury)
Sideswipe Same: 1 (0 injury)
Single Vehicle: 1 (0 injury)

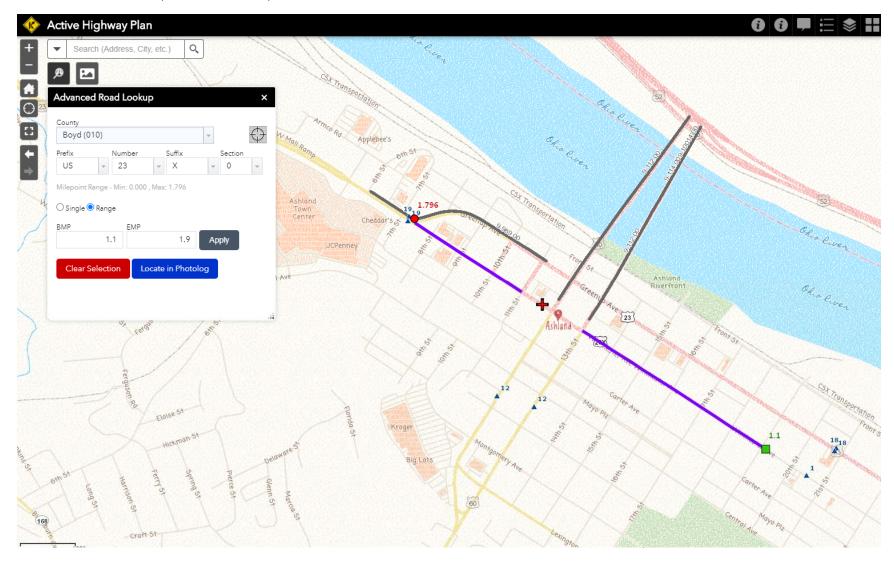
US 23 Greenup and Winchester Ave. North (MP 18.9 to MP 19.1)



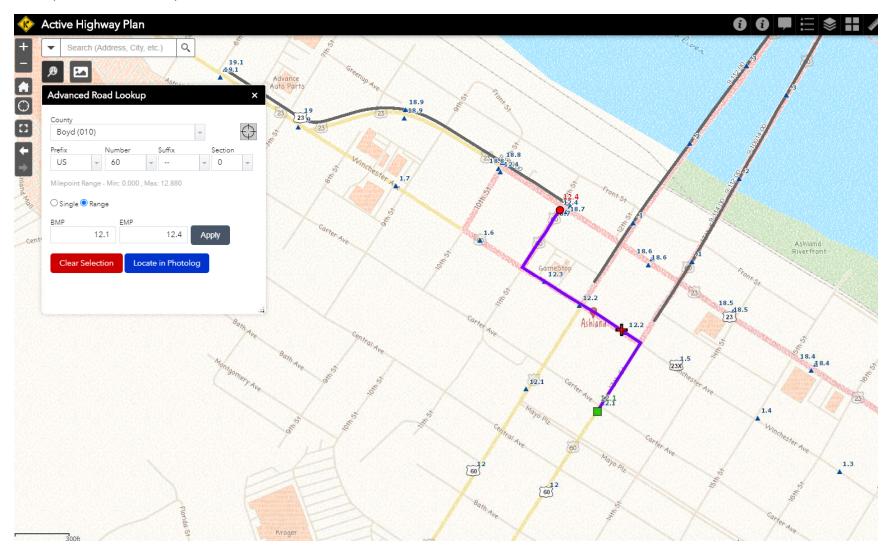
US 23 Greenup and Winchester Ave. North (MP 18.9 to MP 19.1)



US 23X Winchester Ave (MP 1.1 to MP 1.9)



US 60 (MP 12.1 to MP 12.4)







Winchester & 8th

Total Crashes: 21

Injury Crashes: 2

Manner of Collision

Rear End: 13 (2 injury)
Sideswipe Same: 2 (0 injury)
Single vehicle: 2 (0 injury)
Backing: 2 (0 injury)
Angle: 1 (0 injury)
Opposing Left Turn: 1 (0 injury)

Winchester & 9th

Total Crashes: 46

Injury Crashes: 10

Manner of Collision

Rear End: 22 (3 injury)
Angle: 16 (5 injury)
Sideswipe Same: 4 (0 injury)
Head on: 2 (1 injury)
Single vehicle: 1 (1 injury)
Opposing Left Turn: 1 (0 injury)

Winchester & 10th

Winchester & 12th

Total Crashes: 108

Total Crashes: 45

Injury Crashes: 9

Manner of Collision

Angle: 23 (6 injury)
Rear End: 10 (1 injury)
Sideswipe Same: 5 (0 injury)
Single vehicle: 3 (2 injury)
Backing: 2 (0 injury)
Opposing Left Turn: 2 (0 injury)

Winchester & 11th

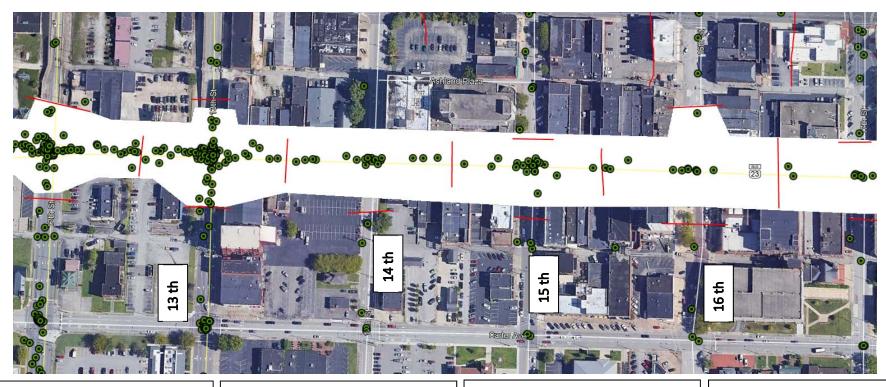
Total Crashes: 21

Injury Crashes: 6

Manner of Collision

Angle: 7 (3 injury)
Rear End: 6 (1 injury)
Sideswipe Same: 5 (0 injury)
Single vehicle: 3 (2 injury)

Winchester Ave. (continued)



Winchester & 13th

Total Crashes: 144

Injury Crashes: 11

Manner of Collision

Sideswipe Opposite:

Sideswipe Same: 86 (1 injury)
Angle: 30 (9 injury)
Rear End: 23 (0 injury)
Single vehicle: 3 (1 injury)
Backing: 1 (0 injury)

1 (0 injury)

Winchester & 14th

Total Crashes: 22

Injury Crashes: 1

Manner of Collision

Rear End: 11 (0 injury)
Angle: 5 (1 injury)
Sideswipe Same: 2 (0 injury)
Single vehicle: 2 (0 injury)
Backing: 2 (0 injury)

Winchester & 15th

Total Crashes: 25 Fatal Crashes: 1 Injury Crashes: 4

Manner of Collision

Rear End: 10 (0 injury)
Angle: 6 (1 injury)
Single vehicle: 3 (2 injury)
(1 fatal)
Backing: 3 (0 injury)

Sideswipe Same: 2 (0 injury)
Head on: 1 (1 injury)

Winchester & 16th

Total Crashes: 13

Injury Crashes: 3

Manner of Collision

Rear End: 6 (3 injury)
Angle: 2 (0 injury)
Sideswipe Same: 2 (0 injury)
Single vehicle: 1 (0 injury)
Backing: 1 (0 injury)
Opposing Left Turn: 1 (0 injury)

Winchester Ave. (continued)



Winchester & 17th

Total Crashes: 9

Injury Crashes: 0

Manner of Collision

Rear End: 4
Angle: 3
Single vehicle: 2

Winchester & 18th

Total Crashes: 11

Injury Crashes: 1

Manner of Collision

Rear End: 6 (1 injury)
Angle: 2 (0 injury)
Sideswipe Same: 1 (0 injury)
Single vehicle: 1 (0 injury)
Sideswipe Opposite: 1 (0 injury)

Winchester & 19th

Total Crashes: 1

Injury Crashes: 0

Manner of Collision

Angle: 1

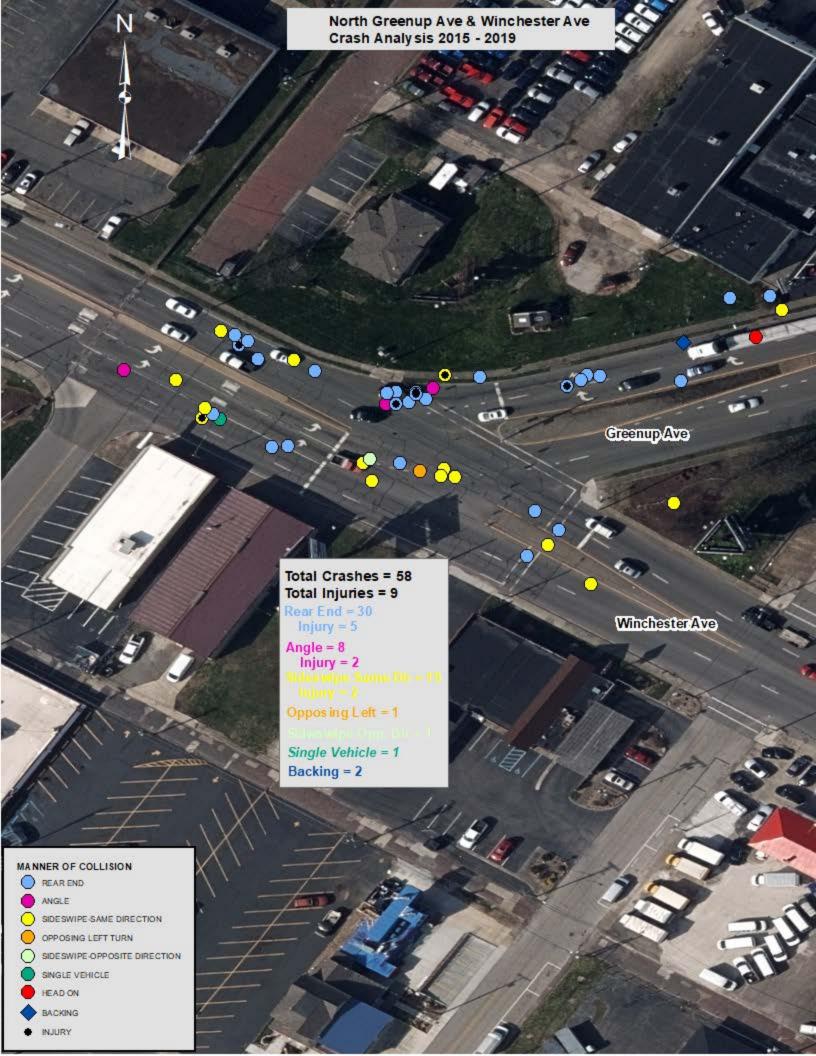
Winchester & 20th

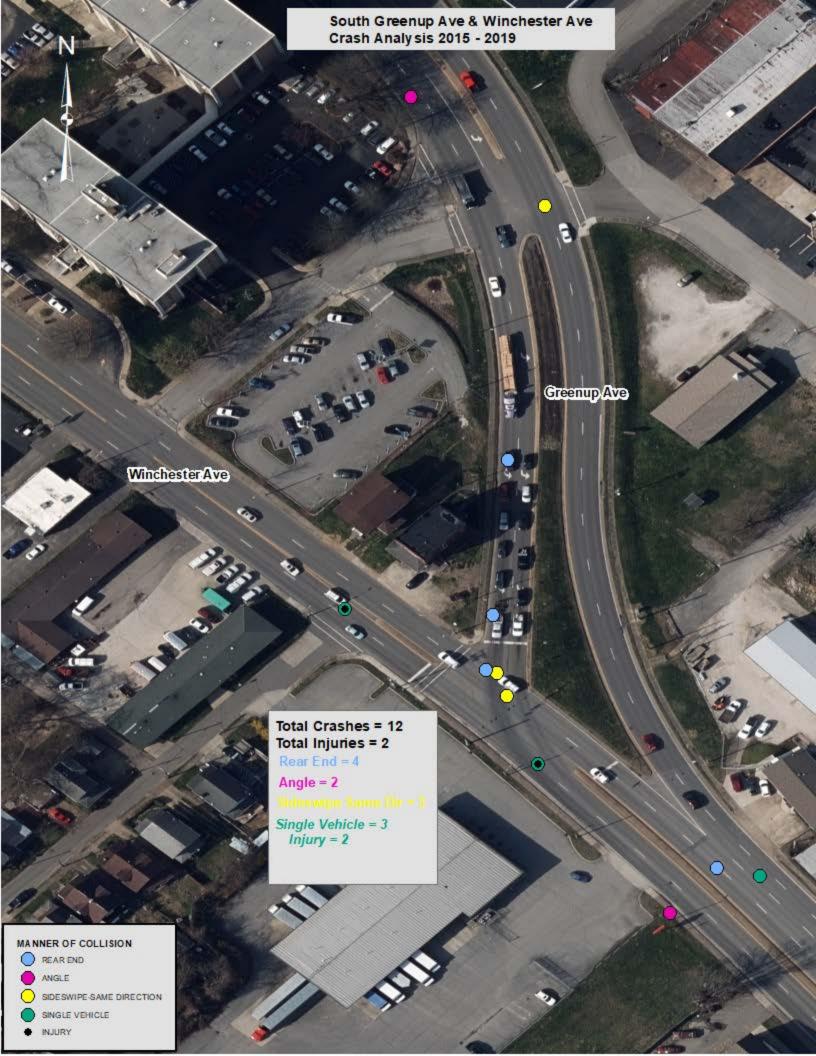
Total Crashes: 11

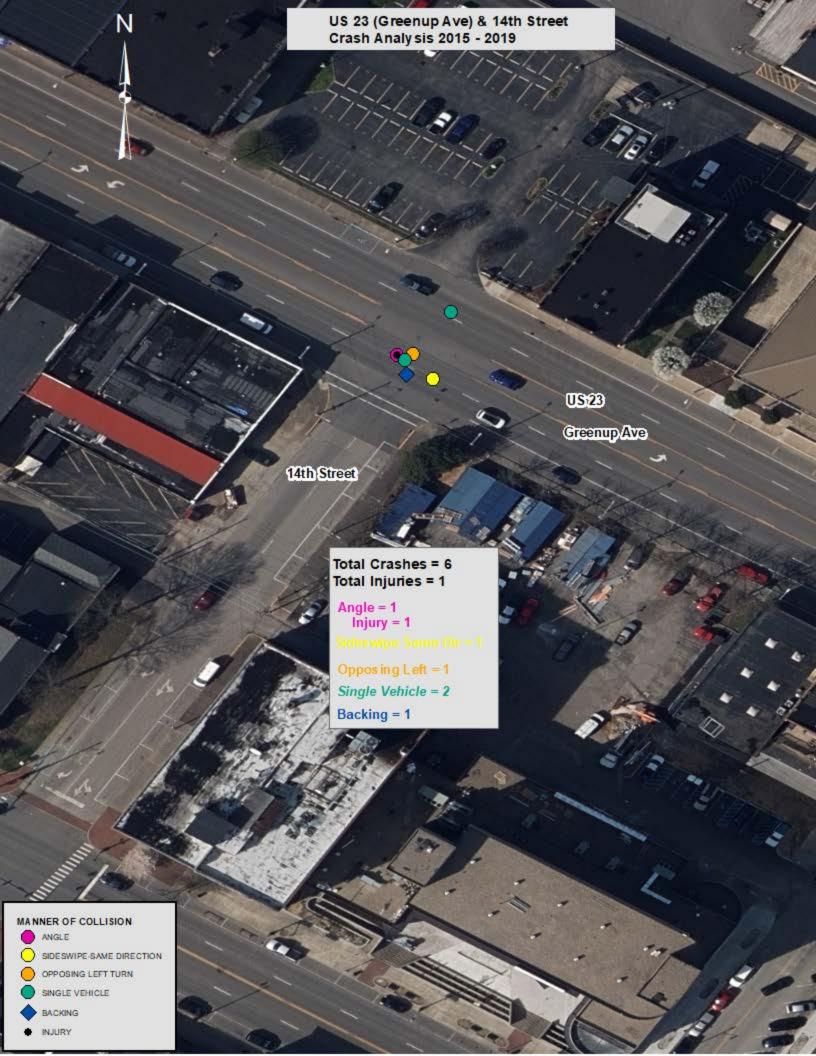
Injury Crashes: 2

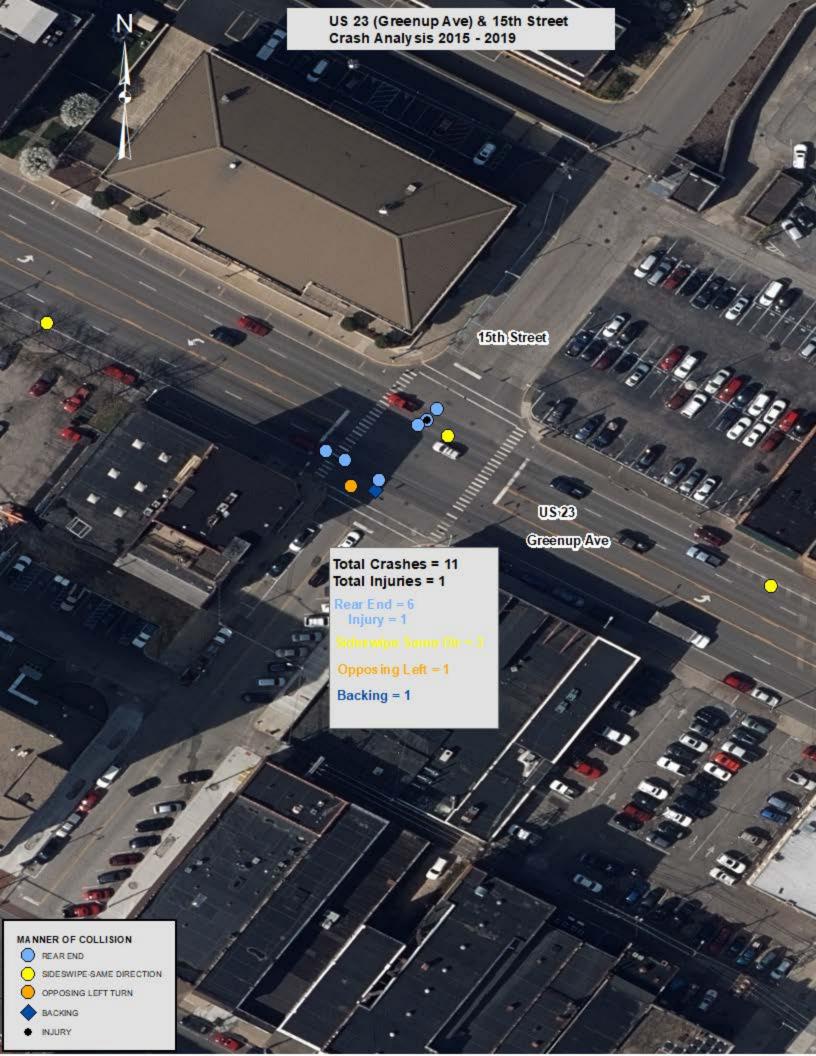
Manner of Collision

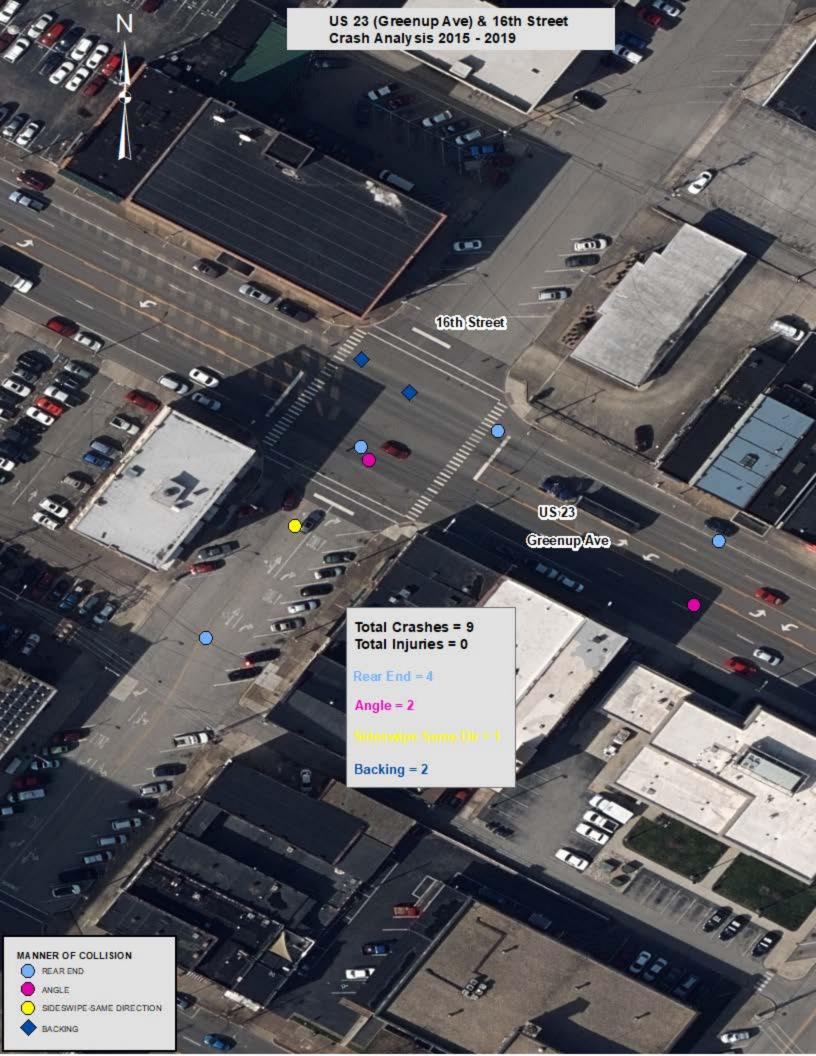
Rear End: 6 (1 injury)
Angle: 2 (1 injury)
Sideswipe Same: 2 (0 injury)
Head on: 1 (0 injury)

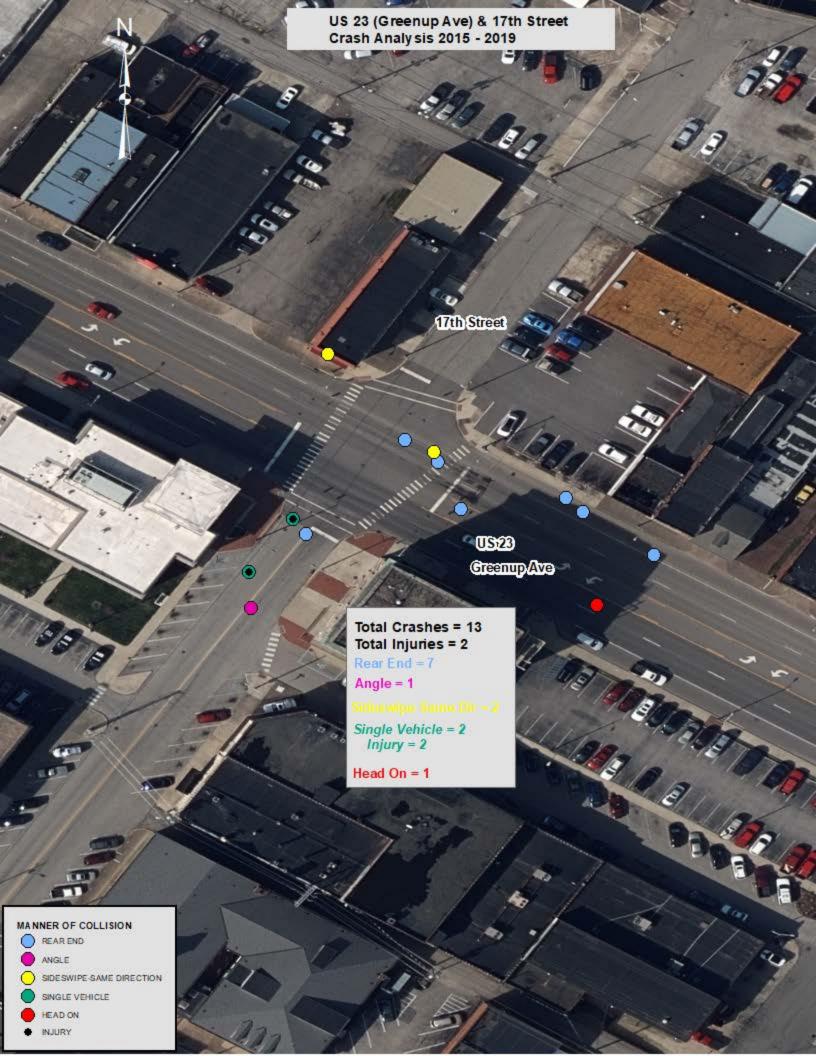


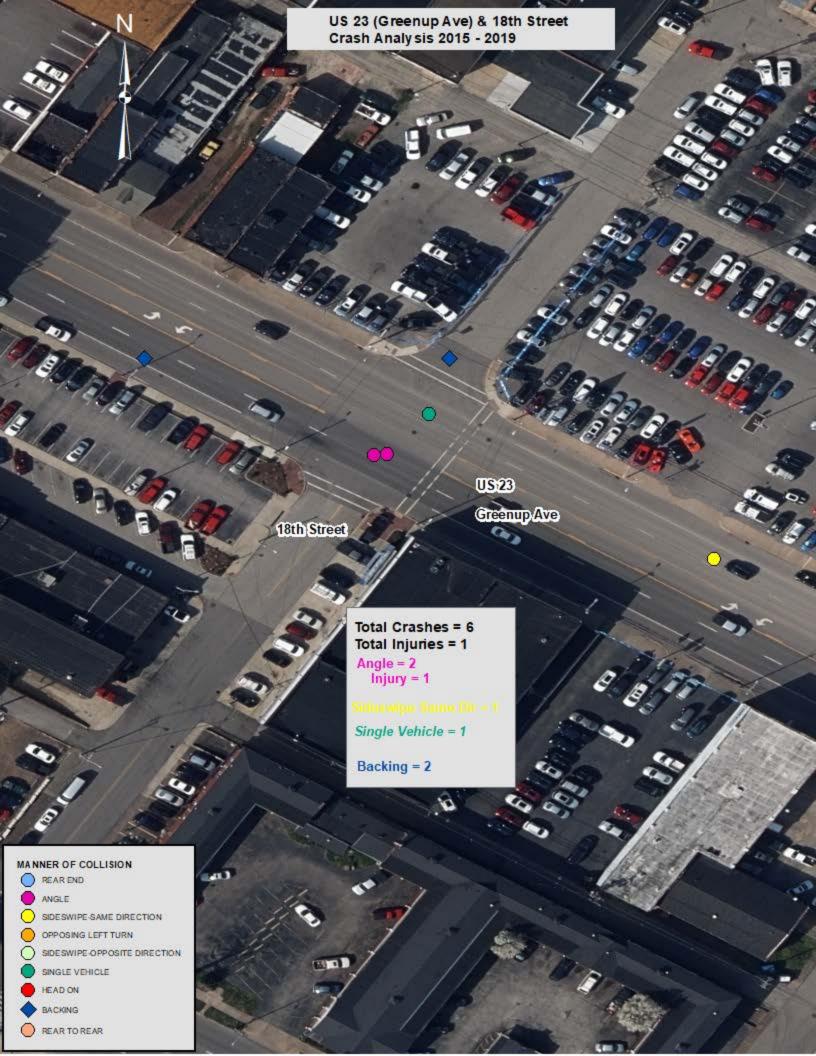


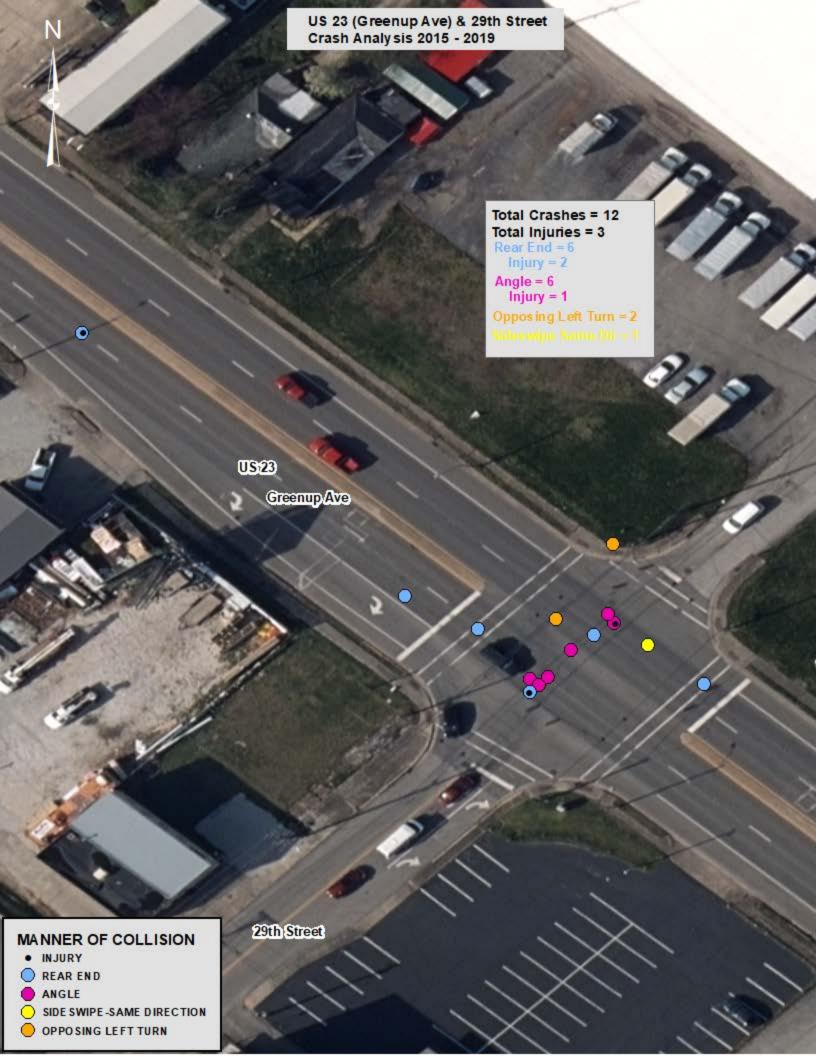




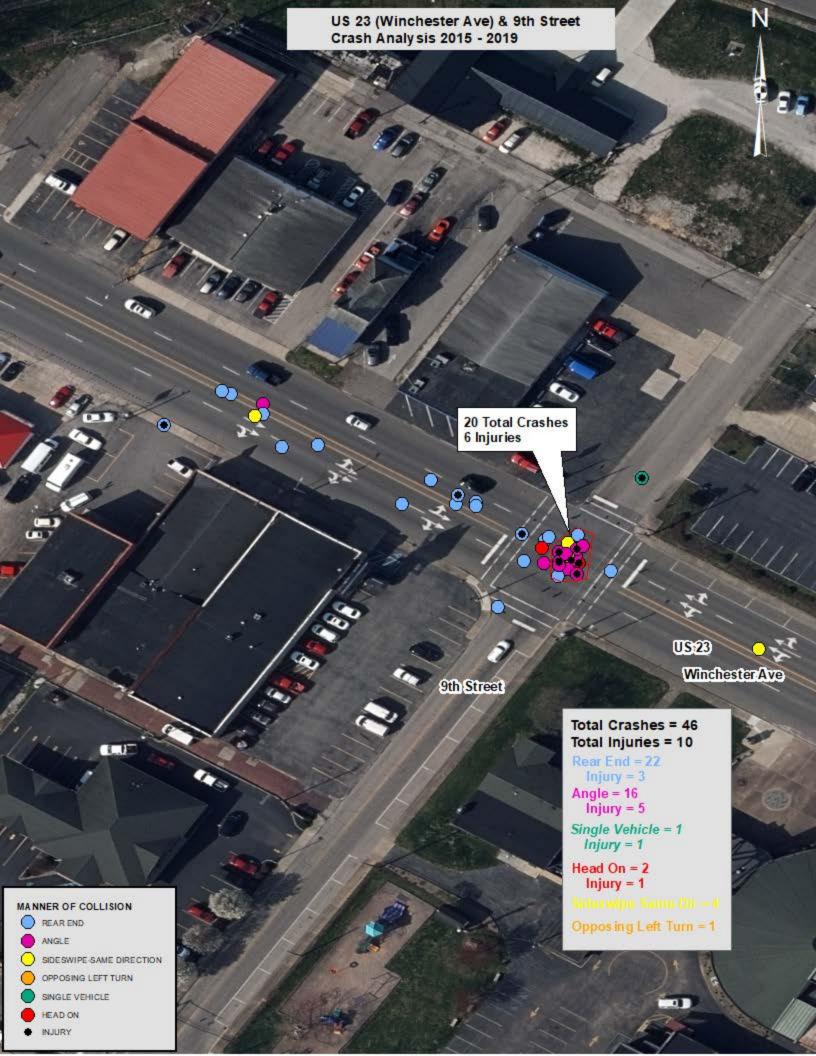


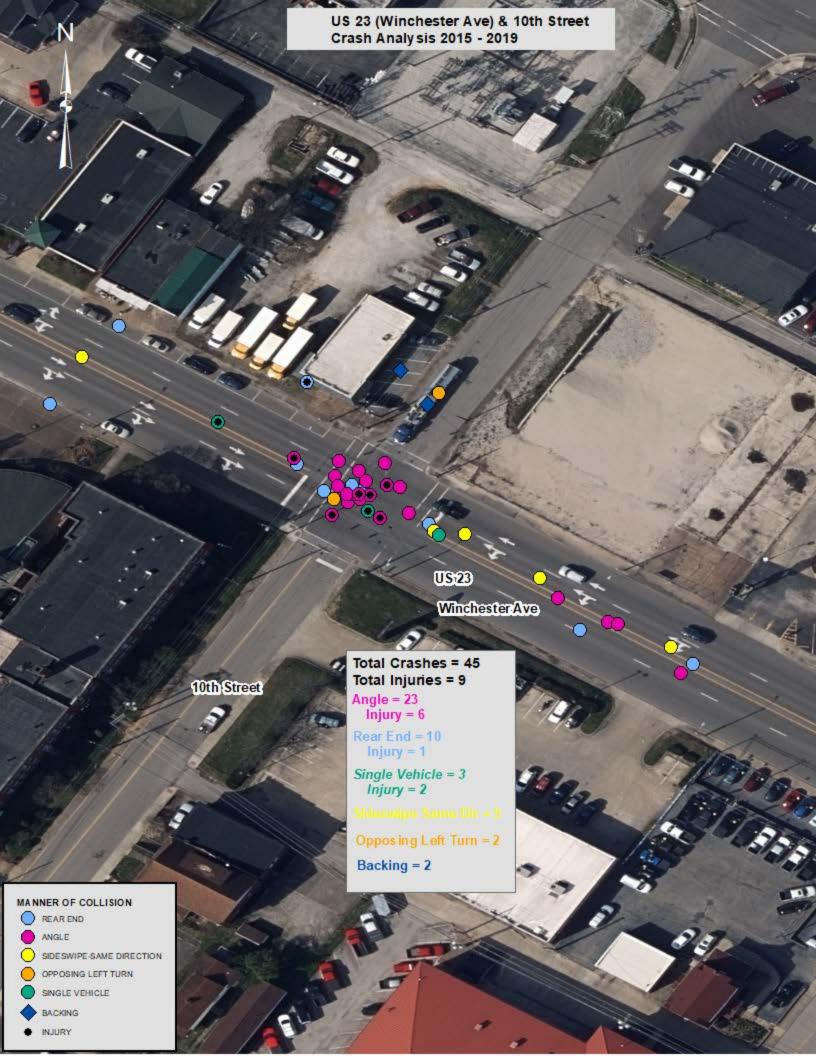


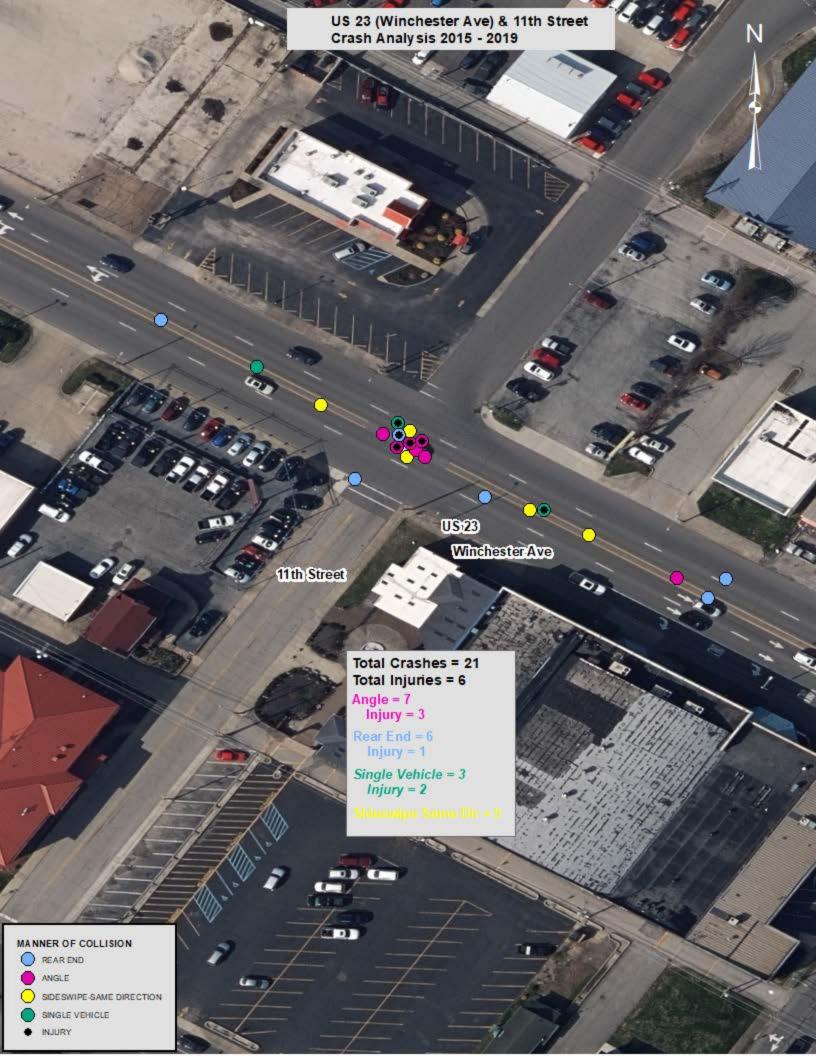


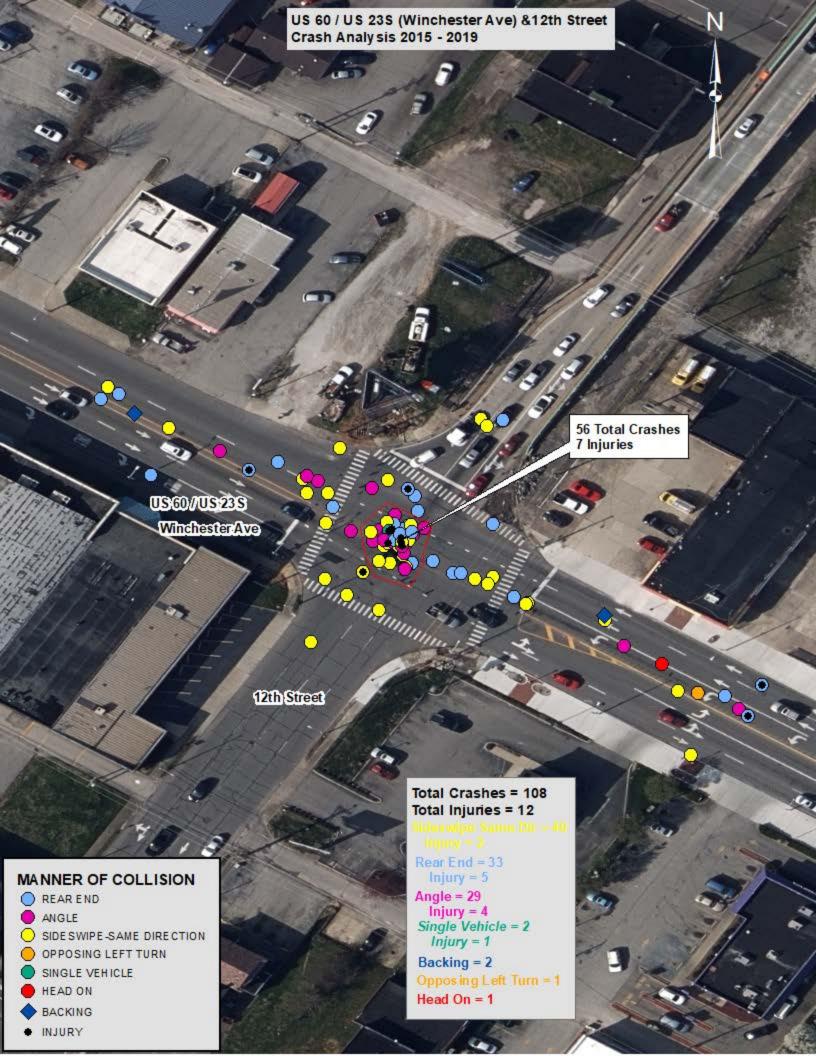


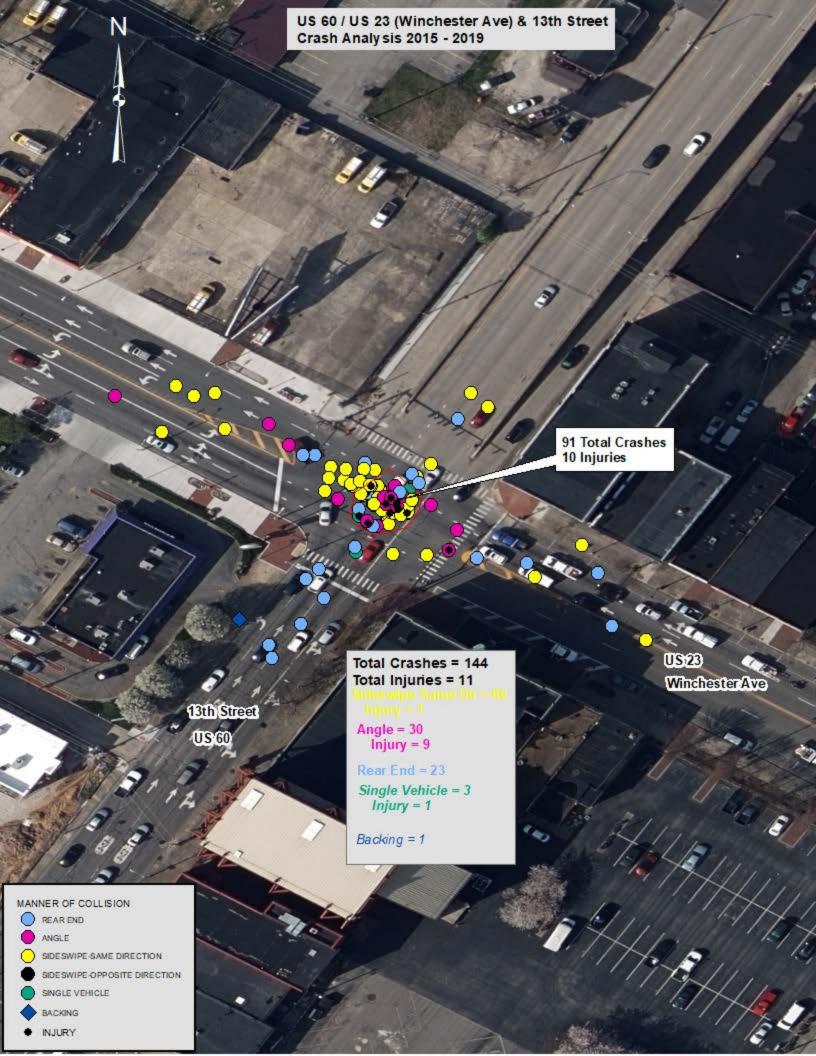


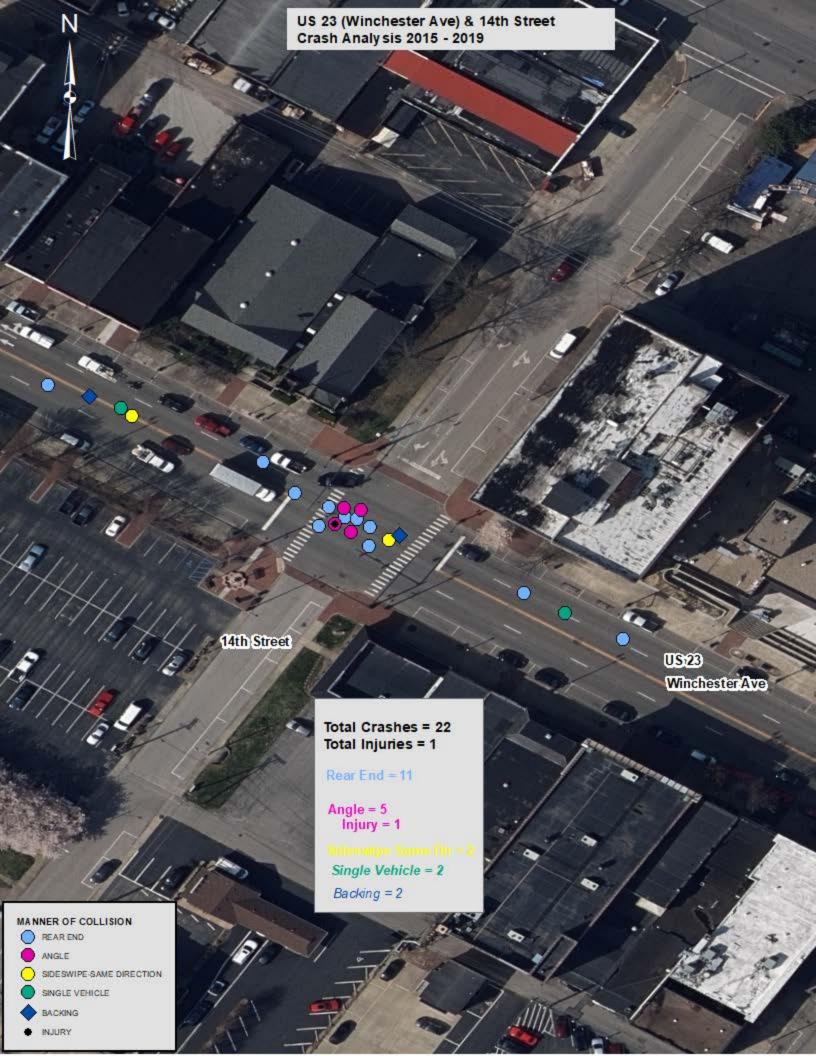


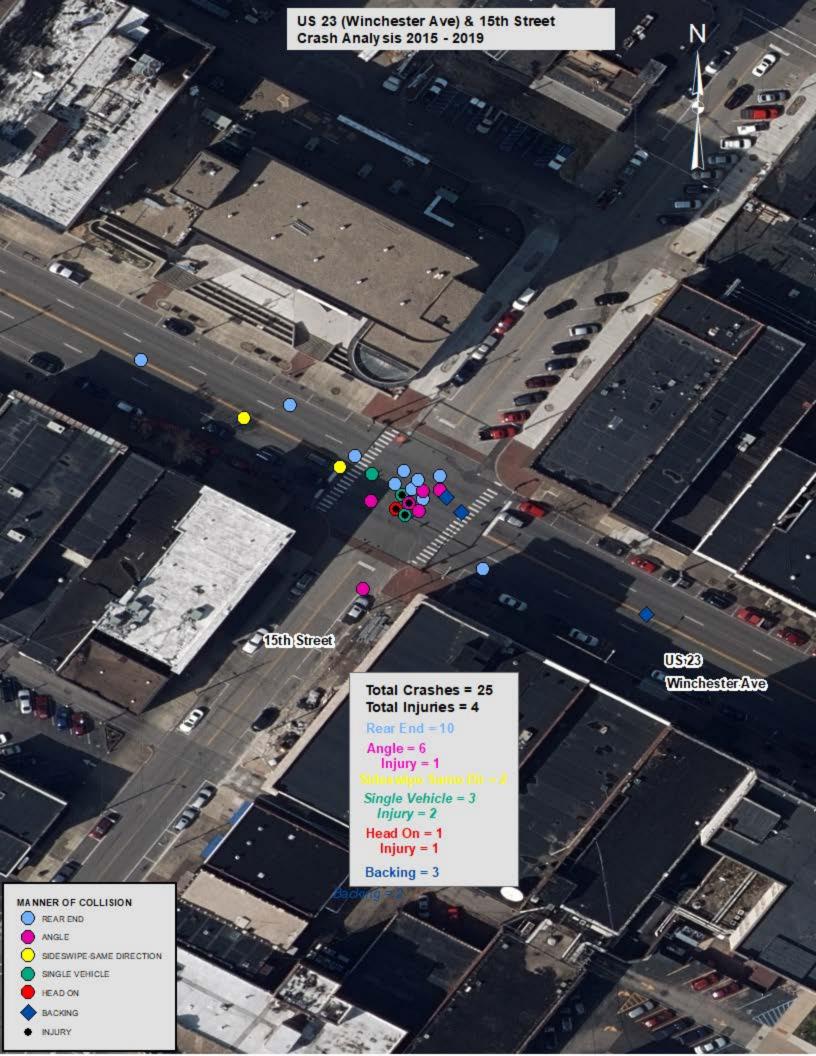


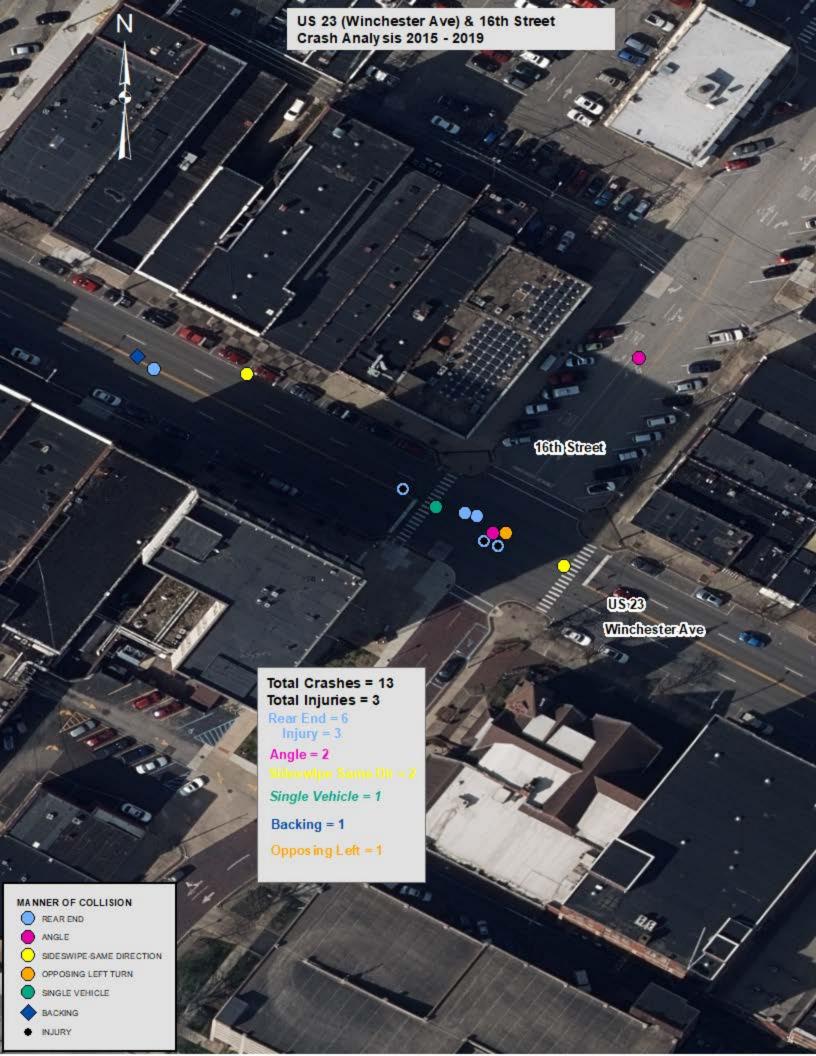


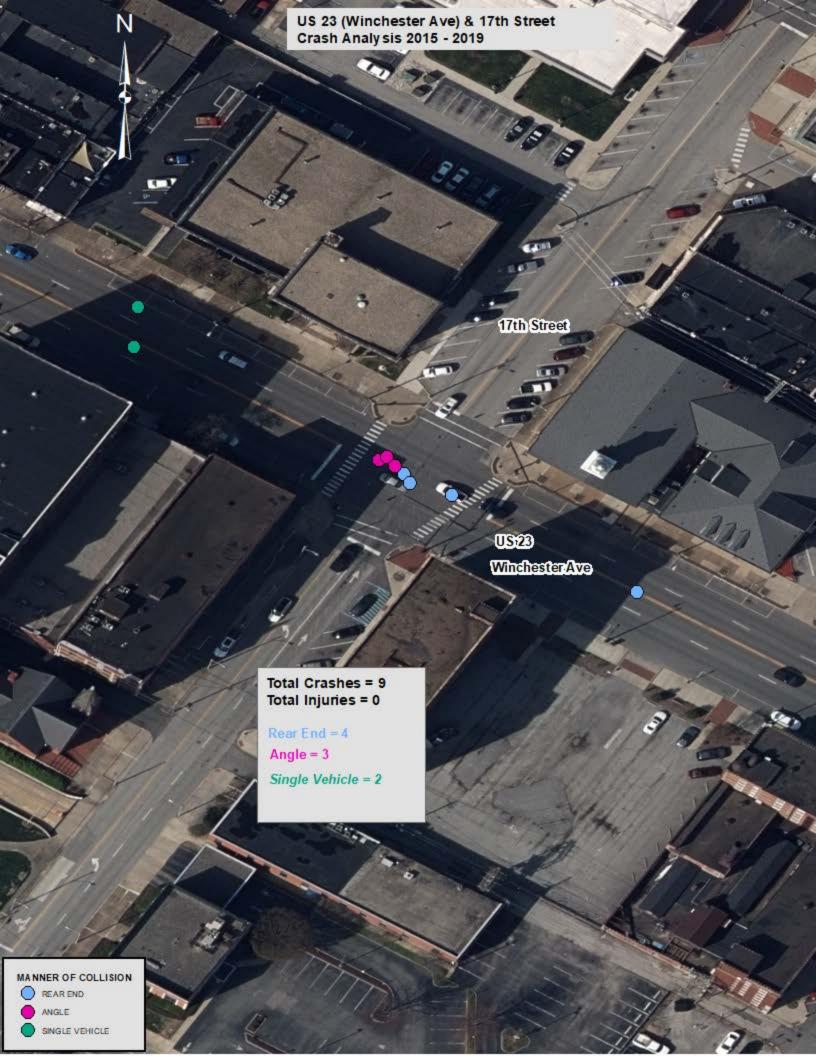


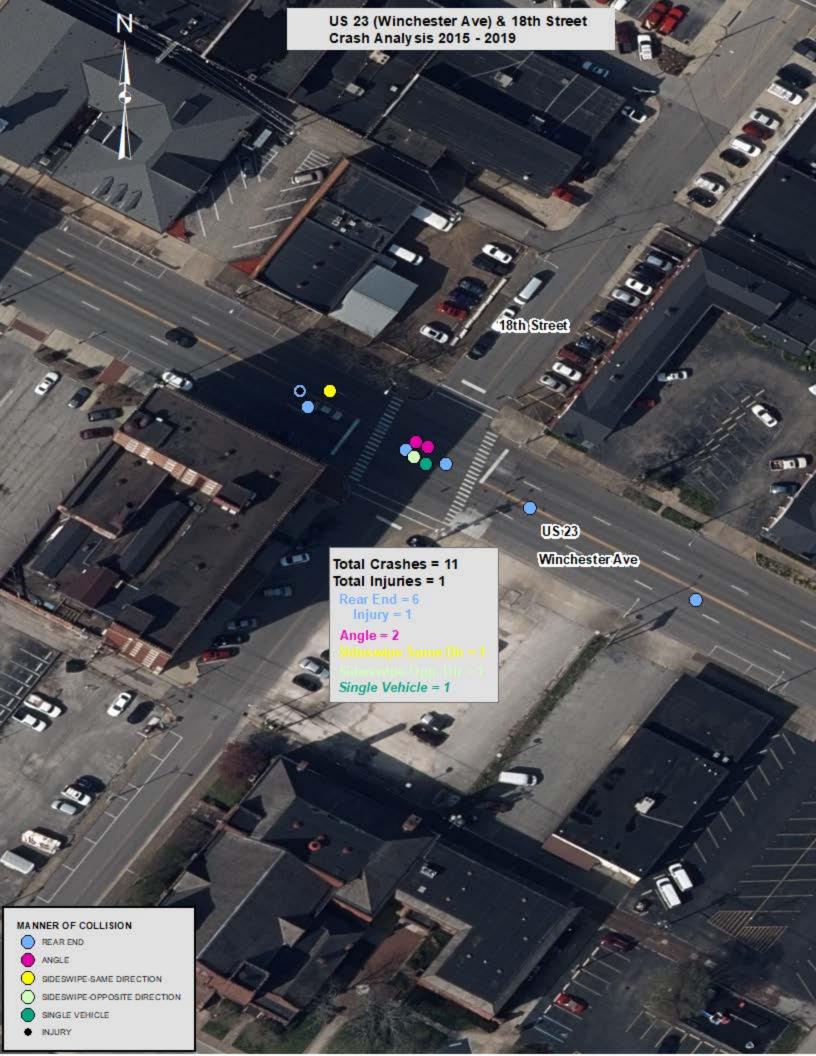


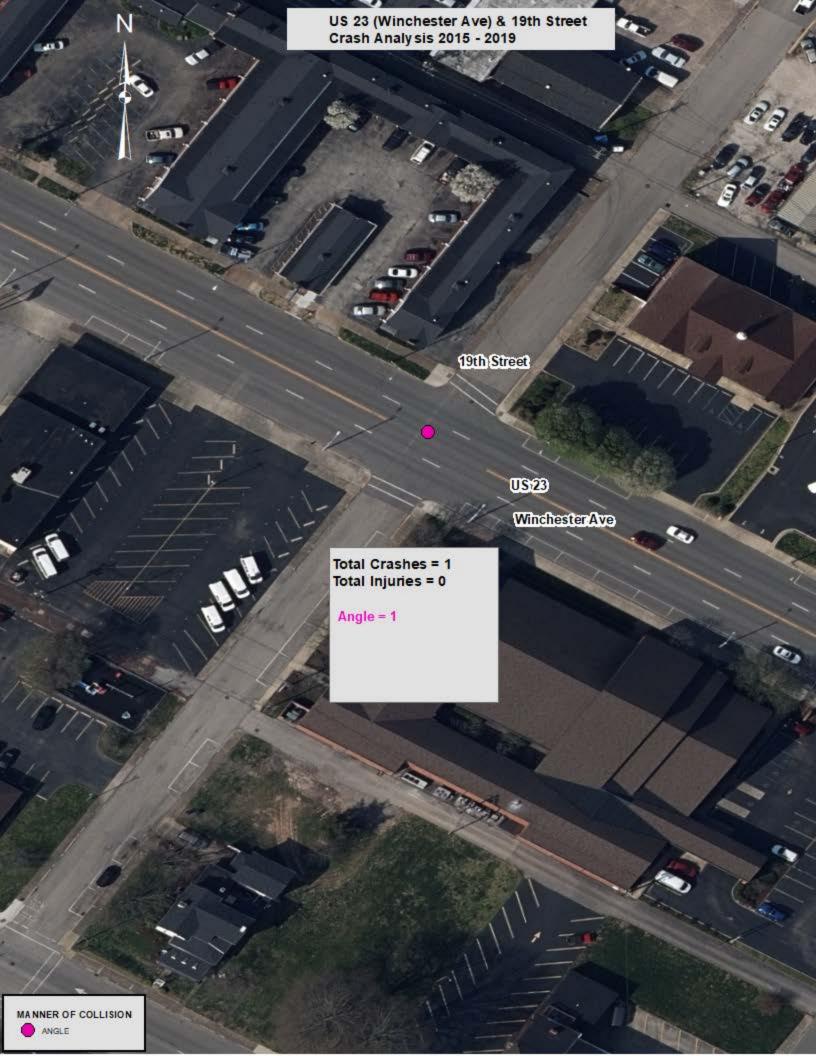


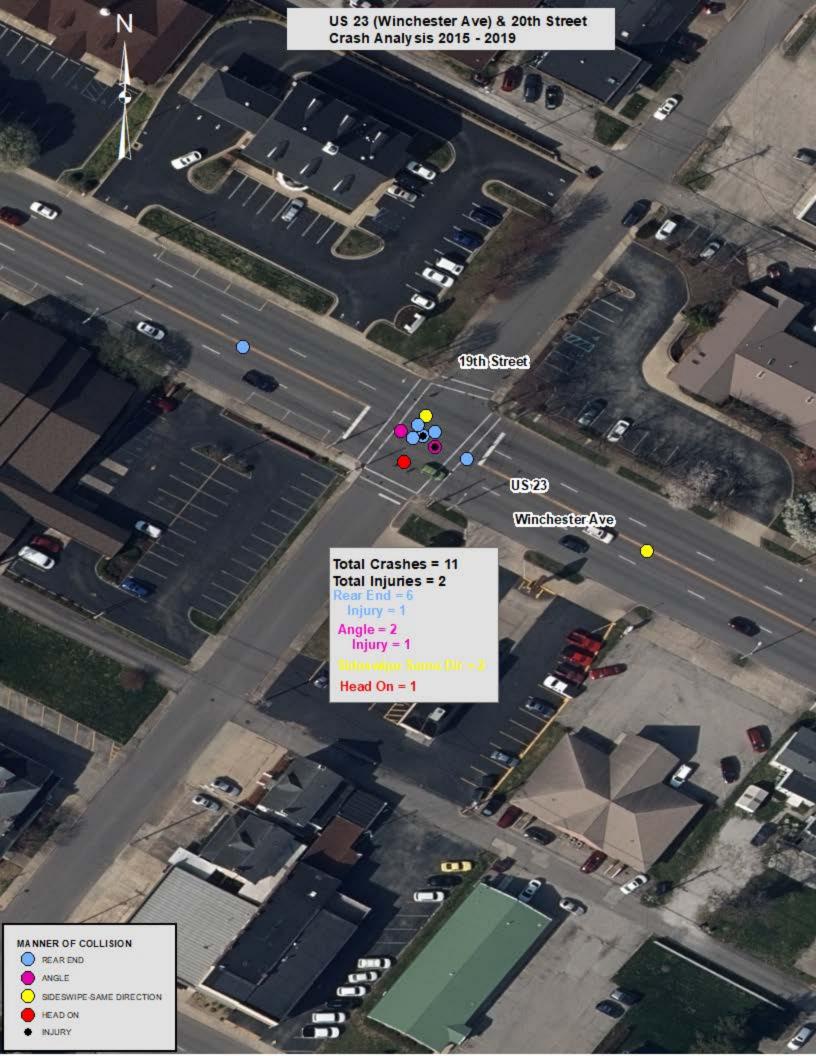












Ashland Downtown Transportation Study Crash Analysis

,	2015-2019 Most Recent													
Intersection	Major ADT	Minor ADT	MP	All Crashes	Rear End	Sideswipe Same	Sideswipe Opposite	Angle	Single Vehicle	Opposing Left	Head On	Backing	Injury	Fatal
US 23X (Winchester Ave) @ 18th Street	7808	456	1.18	11	6	1	1	2	1	0	0	0	1	0
US 23X (Winchester Ave) @ 17th Street	8747	456	1.25	9	4	0	0	3	2	0	0	0	0	0
US 23X (Winchester Ave) @ 16th Street	9686	228	1.33	13	6	2	0	2	1	1	0	1	3	0
US 23X (Winchester Ave) @ 15th Street	9686	456	1.4	25	10	2	0	6	3	0	1	3	4	1
US 23X (Winchester Ave) @ 14th Street	9686	455	1.47	22	11	2	0	5	2	0	0	2	1	0
US 23X (Winchester Ave) @ 13th Street	17407	7184	1.551	144	23	86	1	30	3	0	0	1	11	0
US 60 @ US 23X (Winchester Ave)			12.182											
US 23X (Winchester Ave) @ 12th Street	18608	14948	12.202	108	33	40	0	29	2	1	1	2	12	0
US 23X (Winchester Ave) @ 11th Street	16022	2886	12.329	21	6	5	0	7	3	0	0	0	6	0
US 23X (Winchester Ave) @ 10th Street	13912	228	1.62	45	10	5	0	23	3	2	0	2	9	0
US 23X (Winchester Ave) @ 9th Street	13912	456	1.691	46	22	4	0	16	1	1	2	0	10	0
US 23X (Winchester Ave) @ 8th Street	13912	456	1.747	21	13	2	0	1	2	1	0	2	2	0
US 23X (Winchester Ave) @ US 23 (Greenup Ave) North	19484	6956	18.984	58	30	15	1	8	1	1	1	1	9	0
US 23 (Greenup Ave) @ 17th Street	13240	456	18.272	13	7	2	0	1	2	0	1	0	2	0
US 23 (Greenup Ave) @ 16th Street	13240	456	18.347	9	4	1	0	2	0	0	0	2	0	0
US 23 (Greenup Ave) @ 15th Street	13240	772	18.422	11	6	3	0	0	0	1	0	1	1	0
US 23 (Greenup Ave) @ US 23X (Winchester Ave) South	15591	7808	16.953	12	4	3	0	2	3	0	0	0	2	0
US 23 (Greenup Ave) @ 29th Street	13240	1908	17.272	15	6	1	0	6	0	2	0	0	3	0

Ashland Downtown Transportation Study Crash Analysis

	2013-2017 KTC EEC								
Intersection	All Crashes	К	А	В	С	0		EEC	District 9 Rank
US 23X (Winchester Ave) @ 18th Street	11	0	0	1	1	9	\$	6,523	964
US 23X (Winchester Ave) @ 17th Street	8	0	0	0	0	8	\$	-	2240
US 23X (Winchester Ave) @ 16th Street	9	0	0	1	2	6	\$	33,269	366
US 23X (Winchester Ave) @ 15th Street	20	1	1	2	1	15	\$	734,340	22
US 23X (Winchester Ave) @ 14th Street	12	0	0	0	1	11	\$	-	2240
US 23X (Winchester Ave) @ 13th Street	49	0	0	3	2	44	\$	447,493	38
US 60 @ US 23X (Winchester Ave)	64	0	0	4	5	55	\$	244,872	99
US 23X (Winchester Ave) @ 12th Street	53	0	0	2	5	46	\$	-	2240
US 23X (Winchester Ave) @ 11th Street	Not in EEC Spre	adsheet							
US 23X (Winchester Ave) @ 10th Street	25	0	1	2	3	19	\$	439,860	44
US 23X (Winchester Ave) @ 9th Street	36	0	0	3	3	30	\$	263,323	93
US 23X (Winchester Ave) @ 8th Street	19	0	1	0	1	17	\$	468,929	32
US 23X (Winchester Ave) @ US 23 (Greenup Ave) North	34	0	0	1	1	32	\$	-	2240
US 23 (Greenup Ave) @ 17th Street	8	0	0	1	0	7	\$	-	2240
US 23 (Greenup Ave) @ 16th Street	7	0	0	0	0	7	\$	-	2240
US 23 (Greenup Ave) @ 15th Street	11	0	0	1	2	8	\$	-	2240
US 23 (Greenup Ave) @ US 23X (Winchester Ave) South	3	0	0	0	1	2	\$	-	2240
US 23 (Greenup Ave) @ 29th Street	13	0	0	1	1	11	\$	-	2240

same intersection