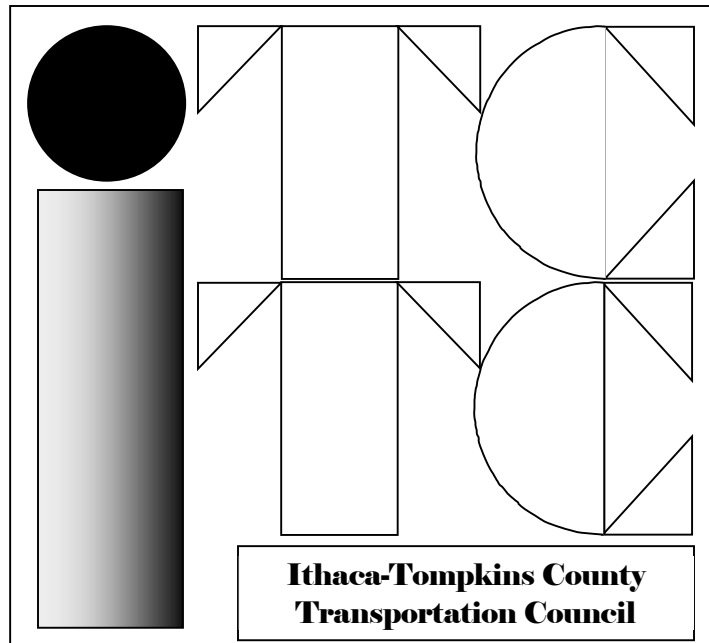


ITHACA-TOMPKINS COUNTY TRANSPORTATION COUNCIL



2018 CRASH SUMMARY January 30, 2020

ITHACA-TOMPKINS COUNTY TRANSPORTATION COUNCIL
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CRASH Summary for Tompkins County NY – 2018 data

The crash data for Tompkins County comes from the ALIS (Accident Location Information System) maintained by NYSDOT. Each Crash type discussed is represented by a Map at the bottom of this document.

TOTAL CRASHES

	2018	2017	2016	2015	2008
Total Crashes	3,518	3,051	3,393	3,287	3,418

- Of the 3,518 crashes in 2018:
 - **0.1%** (3) involved fatalities
 - **3%** (105) involved serious injuries
 - **1.4%** (50) involved a PEDESTRIAN
 - **0.6%** (22) involved a BICYCLIST
 - **16%** (574) involved a DEER
 - **13%** (446) occurred in a SNOW/ICE/SLUSH/FREEZING RAIN
 - **29%** (1,004) occurred on a DARK road
 - **12%** (419) involved a vehicle making a LEFT TURN
 - **12%** (430) involved a vehicle BACKING UP
 - **6%** (204) involved a vehicle making a RIGHT TURN
 - **38%** (2,302) involved a 4-Door Sedan
 - **34%** (2,051) involved an SUV / Suburban
 - **11%** (387) involved a driver 65+ years old
 - **9%** (300) involved a SPEED-RELATED crash
 - **2%** (66) involved an ALCOHOL-RELATED crash
 - Other Factors (% of total crashes):
 - Aggressive Driving / Road Rage 12 (0.3%)
 - Brakes Defective 26 (0.7%)
 - Cell Phone 9 (0.3%)
 - Driver Inattention 574 (16%)
 - Driver Inexperience 73 (2%)
 - Drugs (Illegal) 17 (0.5%)
 - Failure to Keep Right 59 (2%)
 - Failure to Yield Right of Way 434 (12%)
 - Fell Asleep / Fatigued/Drowsy 43 (1%)
 - Following Too Closely 522 (15%)
 - Passing or Lane Usage Improperly 186 (5%)
 - Pavement Slippery 395 (11%)
 - Traffic Control Devices Disregarded 106 (3%)
 - Turning Improper 197 (6%)

5 YEAR AVG: 2014-2018 COMPARED TO 2008-2012

	<u>2014-2018</u>	<u>2008-2012</u>	<u>Trend</u>
Fatal Crashes	38	53	-28%
Serious Injury Crashes	516	562	-8%
Pedestrian Crashes	177	181	-2%
Bicycle Crashes	106	113	-7%
Deer Crashes	3,137	3,591	-13%

2018 COMPARED TO 2008

	<u>2018</u>	<u>2008</u>	<u>Trend</u>
Snow/Ice/Slush/Freezing Rain Crashes	446 (13%)	773 (23%)	-42%
Crashes on a Dark Road	1,004 (29%)	1,444 (42%)	-30%
Crashes w/Vehicle Making Left Turn	419 (12%)	312 (9%)	+34%
Crashes w/Vehicle Backing Up	430 (12%)	297 (9%)	+45%
Crashes w/Vehicle Making a Right Turn	204 (3%)	163 (3%)	+25%
Crashes involving a 4-Door Sedan	2,302 (38%)	2,213 (42%)	+4%
Crashes involving a SUV / Van	2,051 (34%)	1,418 (27%)	+45%
Crashes involving a 65+ year old driver	387 (11%)	351 (7%)	+10%
Crashes involving Alcohol	66 (2%)	102 (3%)	-35%
Crashes involving Speeding	300 (9%)	371 (11%)	-19%

FATAL CRASHES

	2018	2017	2016	2015	2008
Fatal Crashes (% of total crashes)	3 (0.1%)	7 (0.2%)	10 (0.3%)	12 (0.4%)	9 (0.3%)

- In 2017 and 2018, **50%** (5) of all fatal crashes were on State Roads and **40%** (4) were on County Roads. No fatal crashes occurred in the City of Ithaca in 2017 or 2018.
- Of the 10 fatalities in 2017 and 2018:
 - **50%** (5) occurred in DARK light conditions
 - **30%** (3) involved a Pedestrian or Bicyclist
 - **1** bicyclist was fatally injured by a vehicle making a LEFT TURN
 - **20%** (2) occurred on RAIN or SNOW road conditions
 - **20%** (2) result from Speed-Related Crash

SERIOUS INJURY CRASHES

	2018	2017	2016	2015	2008
Serious Injury Crashes (% of total crashes)	105 (3.0%)	81 (2.7%)	113 (3.3%)	87 (2.6%)	121 (3.5%)
w/BIPED	11	7	15	8	12

- In 2018, **51%** (54) of all serious injury crashes were on State Roads and **24%** (25) were on County Roads. 20 serious injury crashes occurred in the City of Ithaca in 2018; 19 in 2017.
- Of the 105 serious injury crashes:
 - **21%** (22) result from LEFT TURN Crash
 - **18%** (19) result from Speed-Related Crash
 - **10%** (11) result from Alcohol-Related Crash
 - **16%** (17) result from **both** Speed-Related **and** Alcohol-Related in the same Crash
 - **11%** (11) involved a Pedestrian or Bicyclist
 - **82%** (9) of 11 result from a Pedestrian Crossing with no signal or crosswalk
 - **64%** (7) of 11 result from a Pedestrian Crossing in Dark conditions
 - **27%** (3) of 11 involved a vehicle making a LEFT TURN

DEER CRASHES

	2018	2017	2016	2015	2008
Deer Crashes (% of total crashes)	574 (16.3%)	548 (18.0%)	562 (16.6%)	834 (25.4%)	652 (19.1%)

- In T/Danby, **52%** of all crashes involved a Deer – In T/Groton, T/Ulysses and T/Newfield **38%**, in T/Enfield **34%**, in T/Dryden **31%**, in T/Lansing **28%**, and in T/Caroline **27%**.
- **60%** (344) of crashes involving a Deer occurred on State Roads – **26%** (149) on County Roads.
- **63%** (362) occurred in DARK or DUSK light conditions.
- **28%** (161) occurred on a WET/SNOW/ICE road condition.
- **2%** (12) resulted in a minor injury, **0%** in a serious injury or fatality

SNOW, SLUSH, ICE-RELATED CRASHES

- There were 446 crashes which occurring in SNOW, SLUSH, ICE conditions in 2018 (**13%** of total crashes).
- 17 of the 446 SNOW, SLUSH, ICE crashes resulted in a serious injury (**4%**) and none in a fatality (**0%**).

LEFT TURN CRASHES

- There were 419 crashes in which the collision involved a LEFT TURN in 2018 (**12%** of total crashes).
- 22 of the 419 LEFT TURN crashes resulted in a serious injury (**5%**) compared to **3%** in ALL Crashes. One LEFT TURN crash resulted in a fatality.
- 6 of the 419 LEFT TURN crashes involved a Bicyclist (**1%**) and 21 of the 419 LEFT TURN crashes involved a pedestrian (**5%**).
- 39 of 419 LEFT TURN crashes were in SNOW/ICE/FREEZING RAIN (**9%**).

PEDESTRIAN CRASHES

	2018	2017	2016	2015	2008
Pedestrian crashes (% of total crashes)	50 (1.1%)	19 (0.6%)	39 (1.1%)	34 (1.0%)	39 (1.1%)

- There were 50 crashes involving pedestrians in 2018 – a **63%** increase from 2017, when there were 19 crashes with pedestrians. From 2008-2018, the average number of crashes involving pedestrians was 36. We will continue to monitor this trend.
 - 10 of the 50 crashes with pedestrians resulted in a serious injury and 1 resulted in a fatality (**22%**) – compared to **3%** of ALL crashes resulting in a serious injury or fatality.
 - In 34 of the 50 pedestrian crashes (**68%**), the pedestrian’s action was “crossing / no signal or marked crossing”, “crossing against signal, or “other actions in roadway”. 19 of these 50 (**38%**) occurred when the light condition was “dark-road lighted”, “dark-road unlighted”, or “dusk”.
 - In 9 of the 11 crashes involving serious injuries or fatality (**82%**), the pedestrian’s action was “crossing / no signal or marked crossing”, “crossing against signal”, or “other actions in roadway”. 7 of these 11 (**64%**) occurred when the light condition was DARK or DUSK.
 - 42 of the 50 crashes involving pedestrians occurred in the City of Ithaca (**84%**). In 2017, 12 of the 19 crashes involving pedestrians occurred in the City of Ithaca (**63%**).
- **56%** (28) of crashes involving pedestrians occurred on City Streets. **30%** (15) occurred on State Roads.
- 21 of 50 crashes involving a pedestrian (**42%**) occurred when the vehicle was making a LEFT TURN.
 - 3 of these 21 LEFT TURN crashes resulted in a serious injury to the pedestrian (**14%**).

BICYCLE CRASHES

	2018	2017	2016	2015	2008
Bicyclist crashes (% of total crashes)	22 (0.6%)	23 (0.8%)	15 (0.4%)	24 (0.7%)	28 (0.8%)

- There were 22 crashes involving bicyclists in 2018 – a **5%** decrease from 2017.
 - 3 of these 22 crashes with bicyclists resulted in a serious injury or fatality (**14%**) – compared to **3%** of ALL crashes resulting in a serious injury or fatality.
 - In 7 of the 22 bicyclist crashes (**32%**), the bicyclist’s action was “crossing / no signal or marked crossing”, “crossing against signal, “along highway against traffic”, or “other actions in roadway”. In all others, the bicyclist’s action was “along highway with traffic” (recommended practice).
 - Only 4 of these 22 (**18%**) occurred when the light condition was “dark-road lighted”. All the others occurred in “daylight”.
 - In 2 of the 3 crashes involving serious injuries or fatality, the bicyclist’s action was “crossing / no signal or marked crossing” or “other actions in roadway”. 1 of these 3 occurred when the light condition was “dark-road lighted”.
 - **73%** (16) of crashes involving bicyclists in 2017 and 2018 occurred on City Streets. **20%** (4) occurred on State Roads.
 - 6 of 22 crashes involving Bicyclists (27%) occurred when the vehicle was making a LEFT TURN.
 - 1 of these 6 LEFT TURN crashes resulted in a bicyclist fatality.

ALCOHOL-RELATED CRASHES

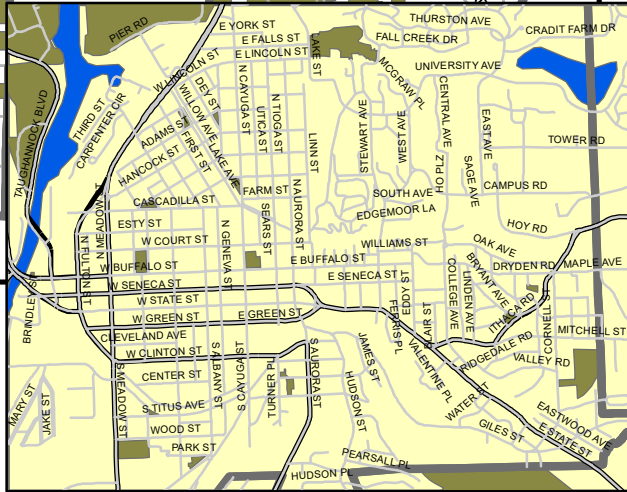
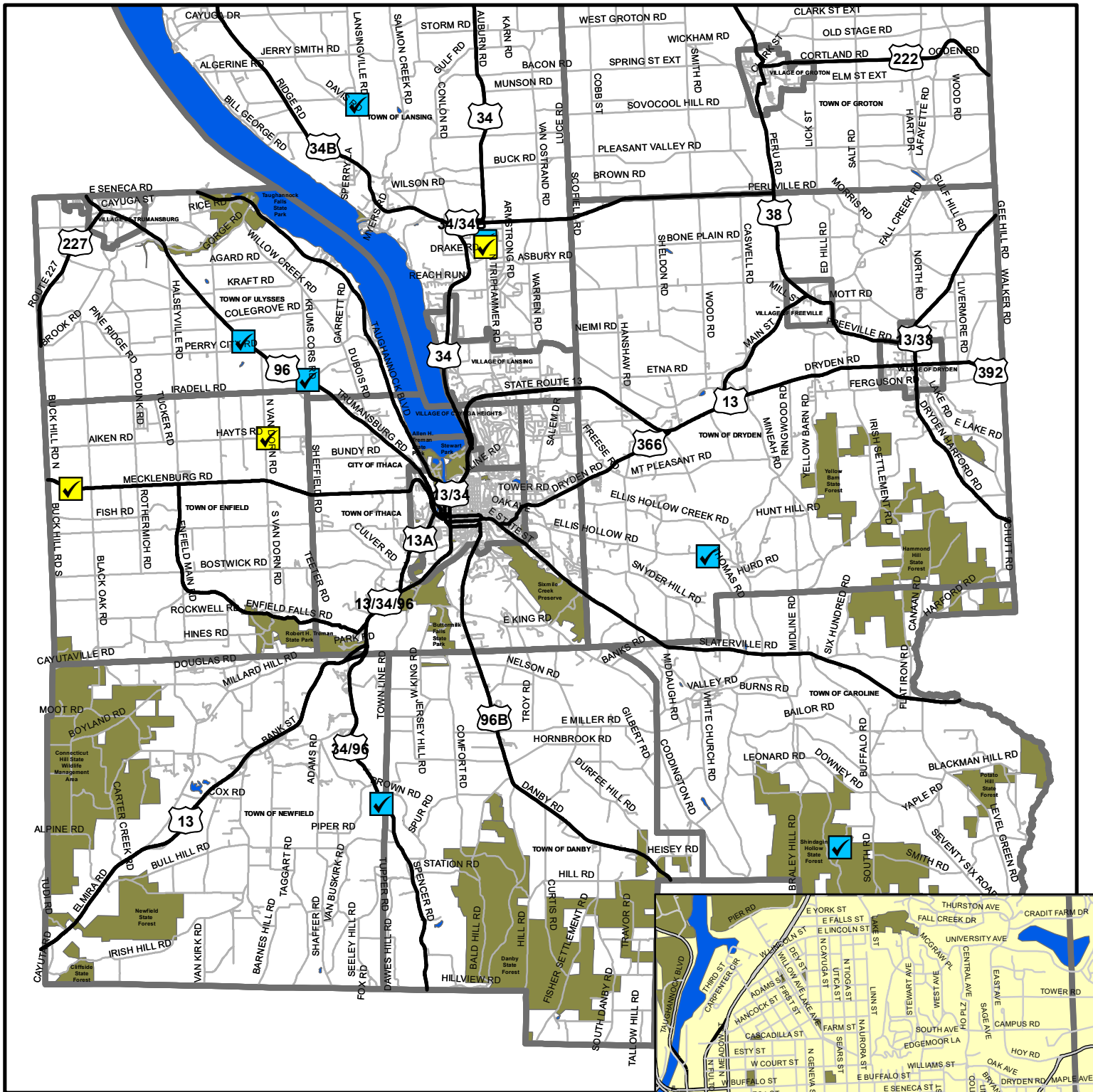
	2018
Alcohol-related crashes (% of total crashes)	66 (2%)

- 11 of the 66 crashes involving ALCOHOL resulted in a serious injury (**17%**). None resulted in a fatality.
- 17 of the 66 crashes involving ALCOHOL also involved SPEEDING (**26%**).
- One ALCOHOL-related crash involved a bicyclist and one involved a pedestrian.
- **40%** (26) of crashes involving ALCOHOL occurred on State Roads – **31%** (21) on County Roads.
- **78%** (52) of crashes occurred in DARK light conditions.
- **33%** (22) of crashes occurred when the road surface was WET, SNOW, or ICE.

SPEED-RELATED CRASHES

	2018
Speed-related crashes (% of total crashes)	300 (9.0%)

- 29 of 300 crashes involving SPEED resulted in a serious injury (**10%**). None resulted in a fatality.
- Two SPEED-related crashes involved a bicyclist and one involved a pedestrian.
- **40%** (120) of crashes involving SPEED occurred on State Roads – **31%** (93) on County Roads.
- **37%** (111) of crashes occurred in DARK or DUSK light conditions.
- **57%** (170) of crashes occurred when the road surface was WET, SNOW, ICE, or SLUSH.



Legend



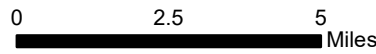
All Fatal Crashes 2018 (3)



All Fatal Crashes 2017 (7)

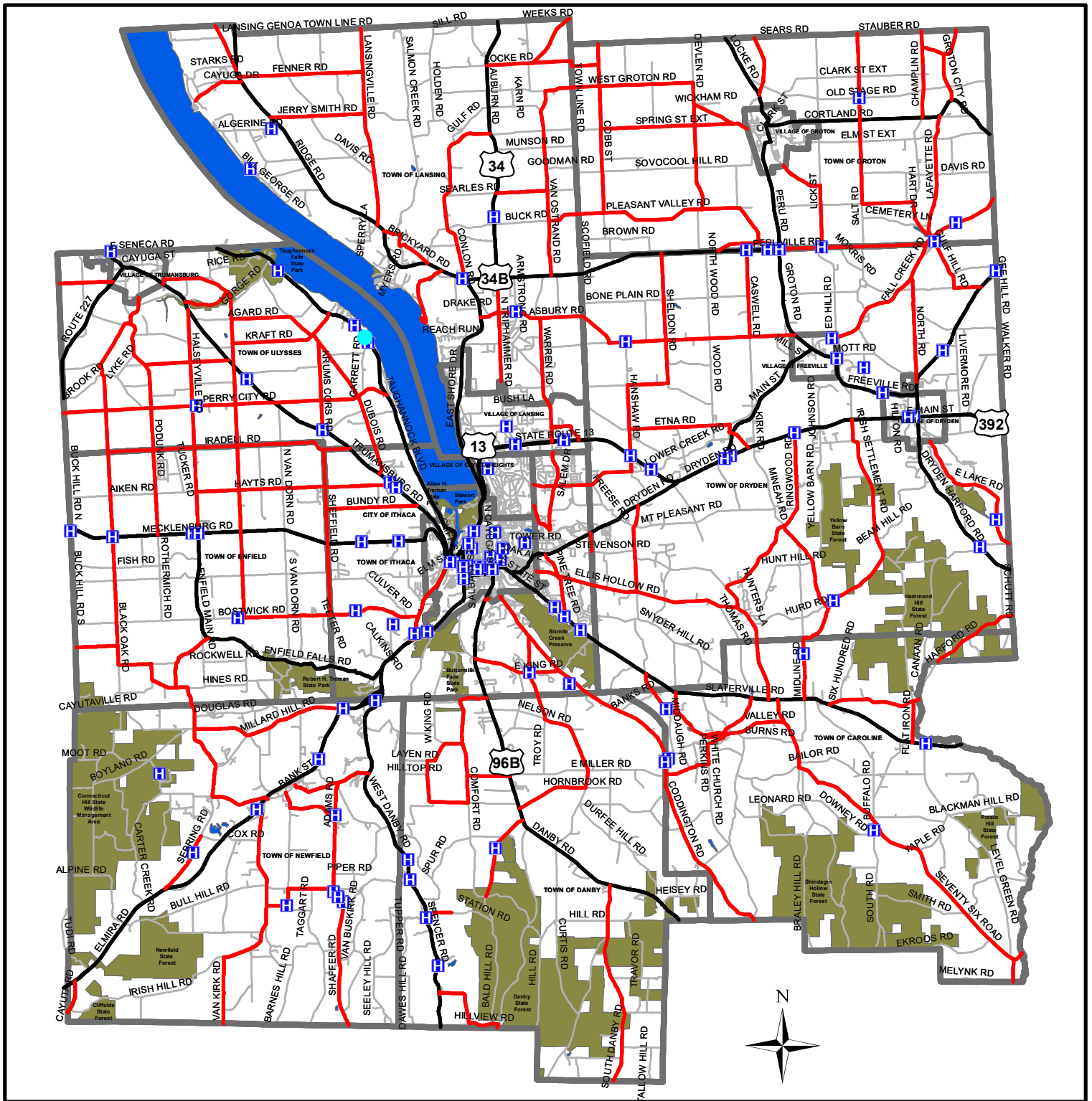
**Location of Fatal Crashes
in Tompkins County, NY
2017 and 2018**

Fatal Crashes (2017 & 2018):
State Roads 50%
County Roads 40%
City Street 10%



Scale

Prepared by the Ithaca-Tompkins
County Transportation Council - 1/2/20

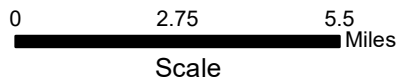


Location of Crashes involving Serious Injuries in Tompkins County NY 2018

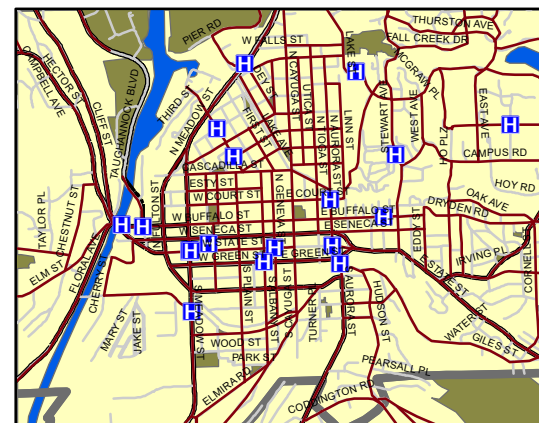
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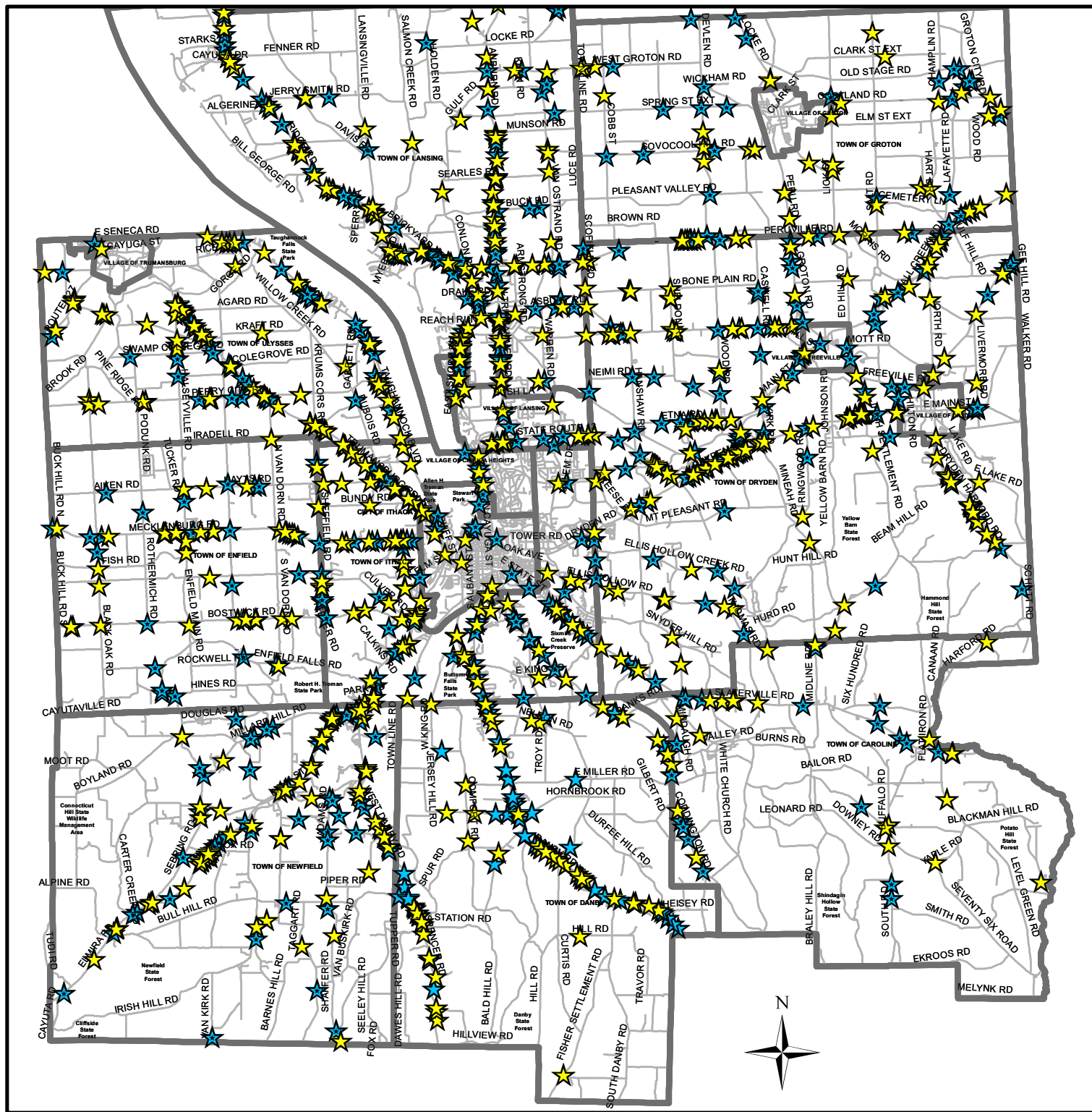


Crashes w/Serious Injuries - 2018 (105)



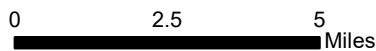
Crashes involving Serious Injuries in 2018 - 3% of total Crashes:
 State Roads 51%
 County Roads 24%
 Town Roads 11%
 City Streets 12%
 Village Streets 3%





Legend

- ★ Crashes Involving a Deer 2018 (574)
- ★ Crashes Involving a Deer 2017 (548)

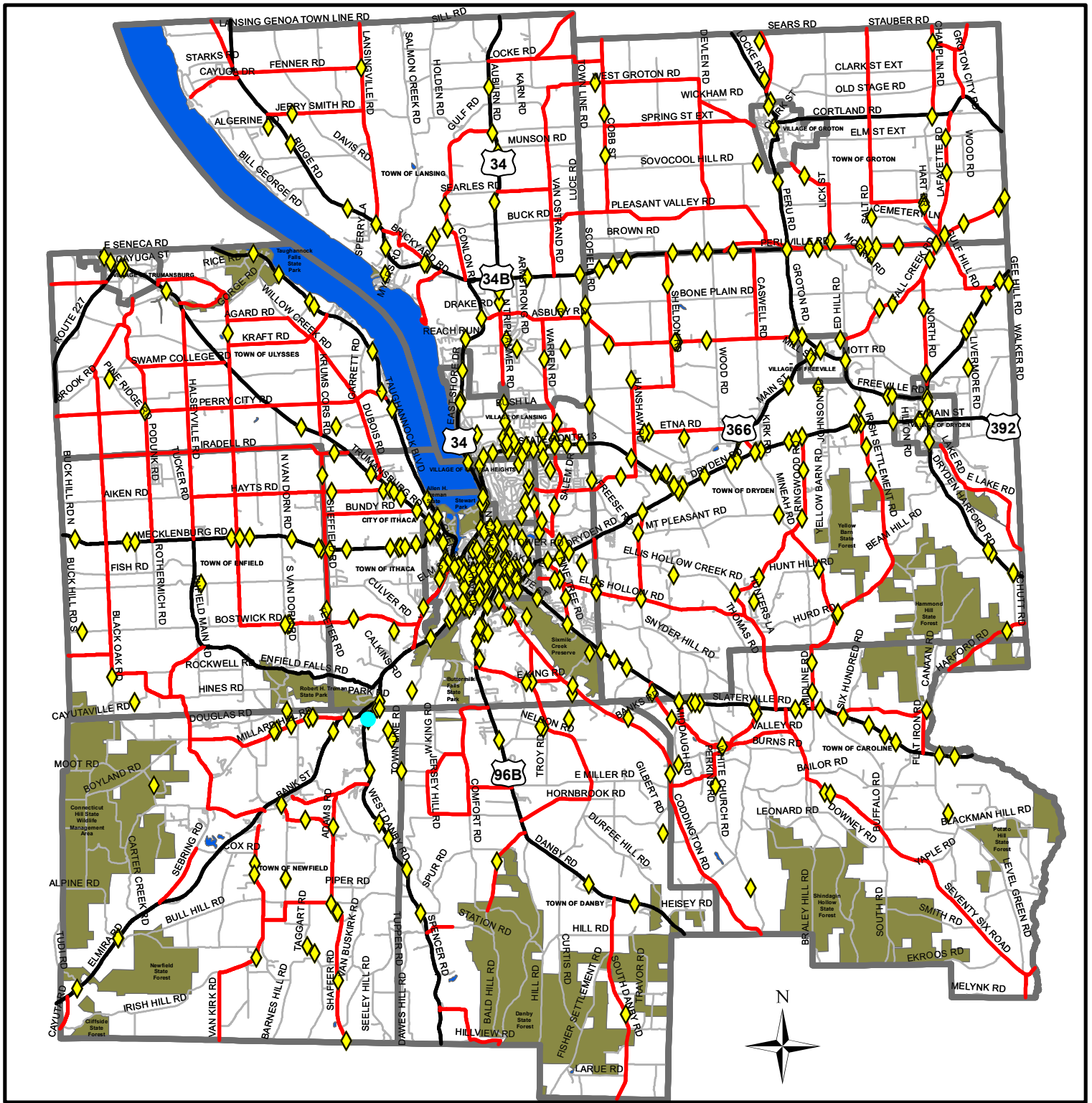


Scale

Location of Crashes Involving a Deer in Tompkins County, NY 2017 and 2018

Crashes w/Deer (2018):
State Roads 60%
County Roads 26%
Town Roads 13%





Legend



Crashes in Snow Slush Ice 2018 (511)

0

2.5

5

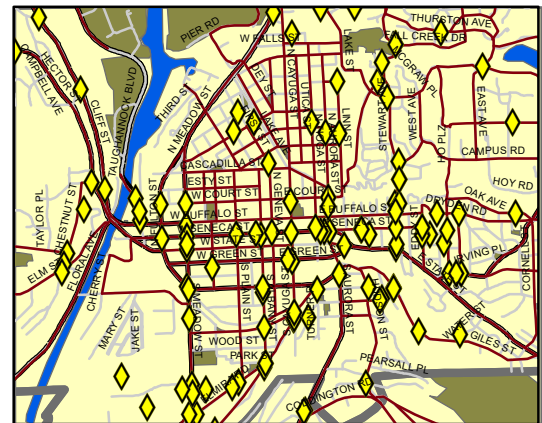


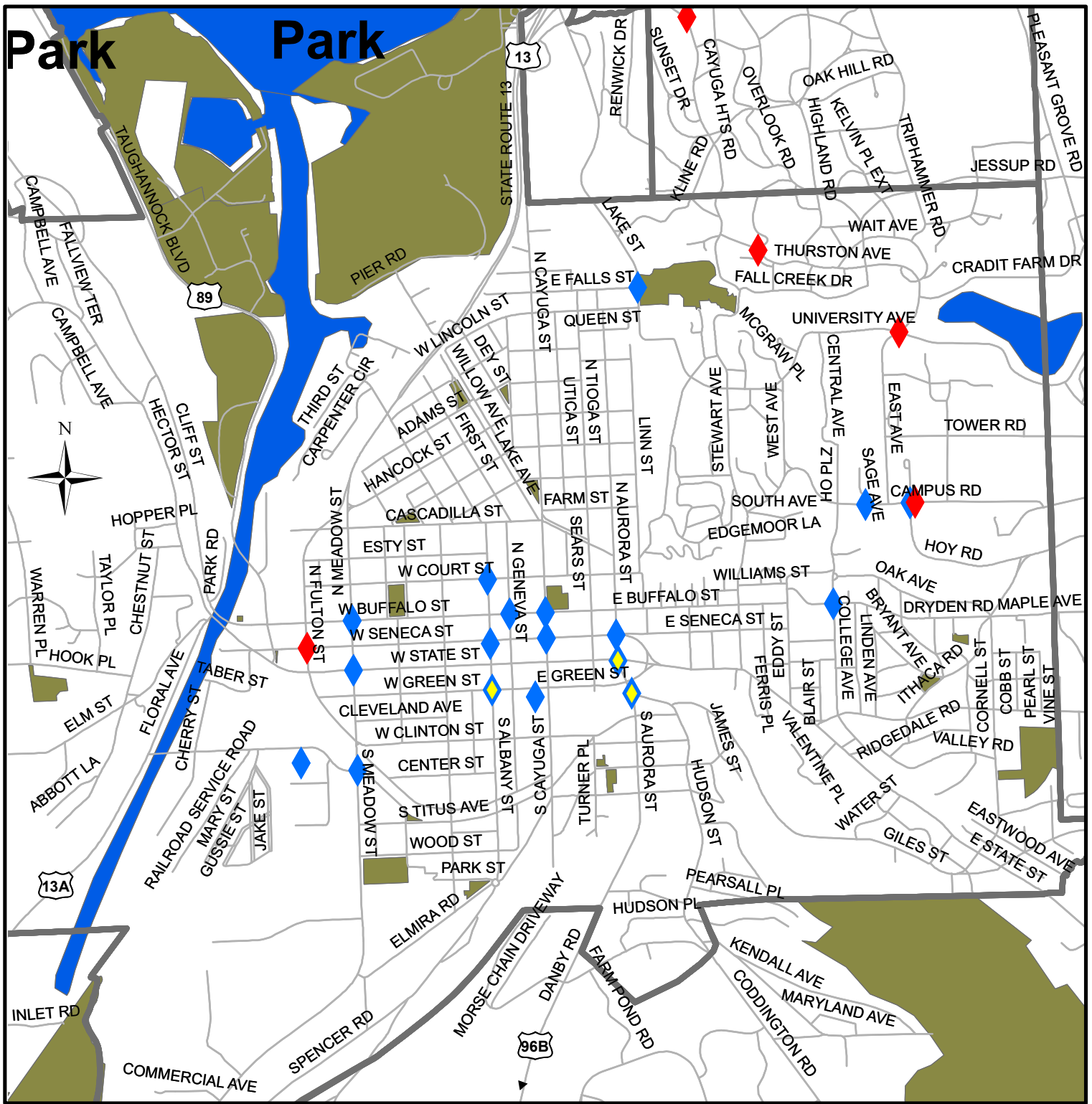
Scale

Location of Crashes in Snow, Slush or Ice in Tompkins County NY 2018

Crashes in Snow, Slush or Ice
in 2018 - 15% of total Crashes:
State Roads 21%
County Roads 12%
Town Roads 8%
City Streets 5%
Village Streets 2%

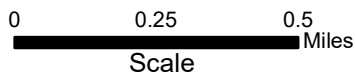
Prepared by the Ithaca-Tompkins
County Transportation Council - 1/2/2020



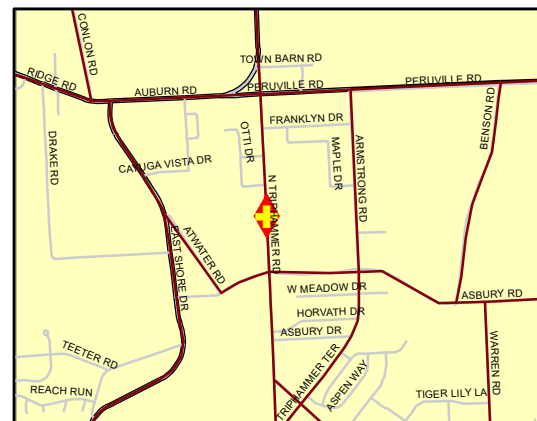


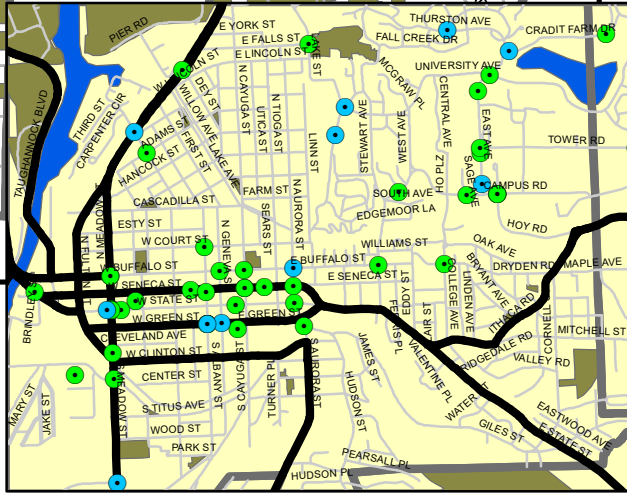
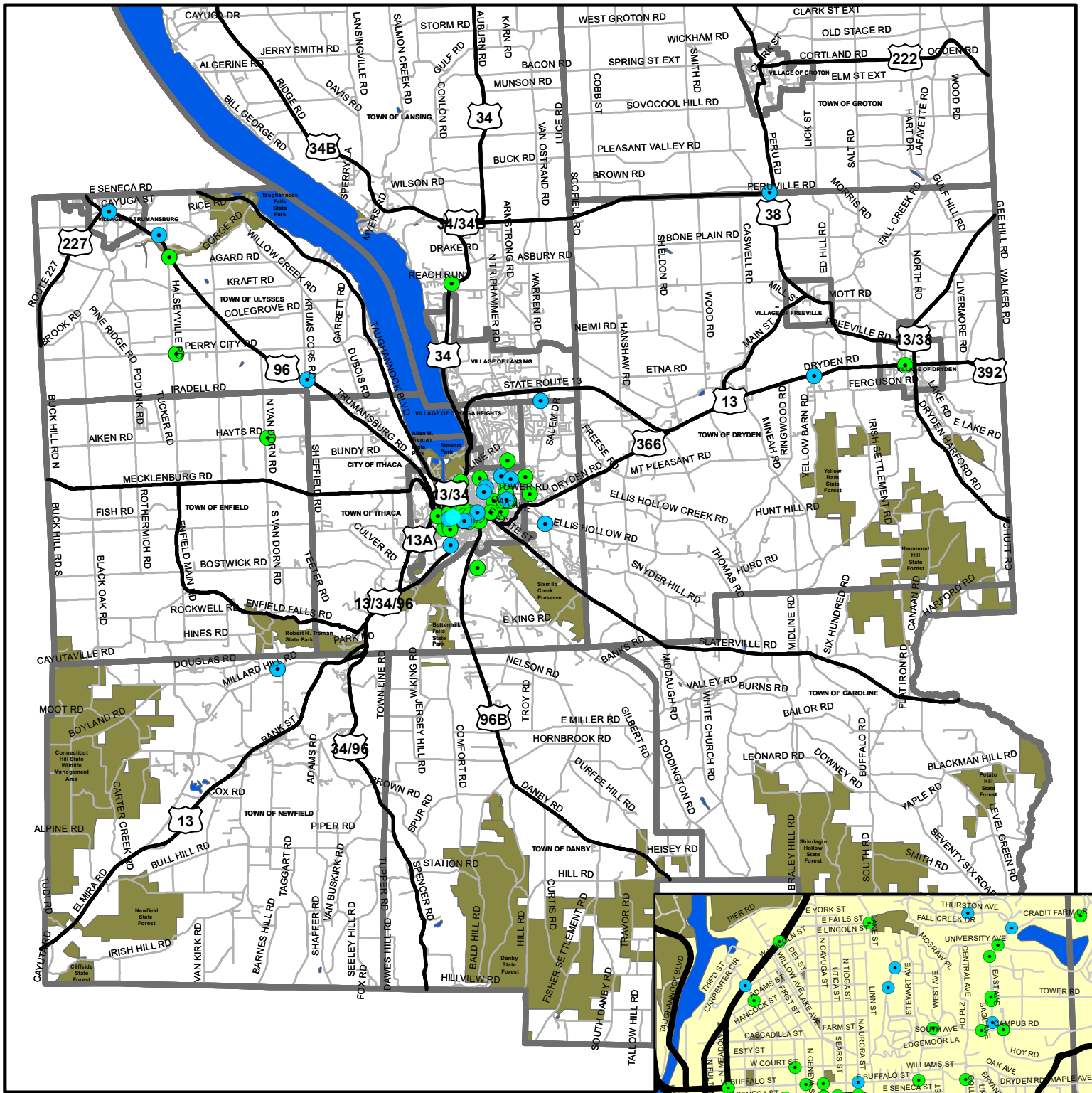
Legend

- ◆ Pedestrian Serious Injury - LEFT TURN
- + Bicycle Fatality - LEFT TURN
- ◆ Crashes with Bicycle - LEFT TURN
- ◆ Crashes w/Pedestrian - LEFT TURN



**Location of Crashes
Involving Pedestrians
and Bicyclists
w/vehicle LEFT TURN
in Tompkins County NY
2018**



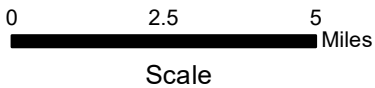


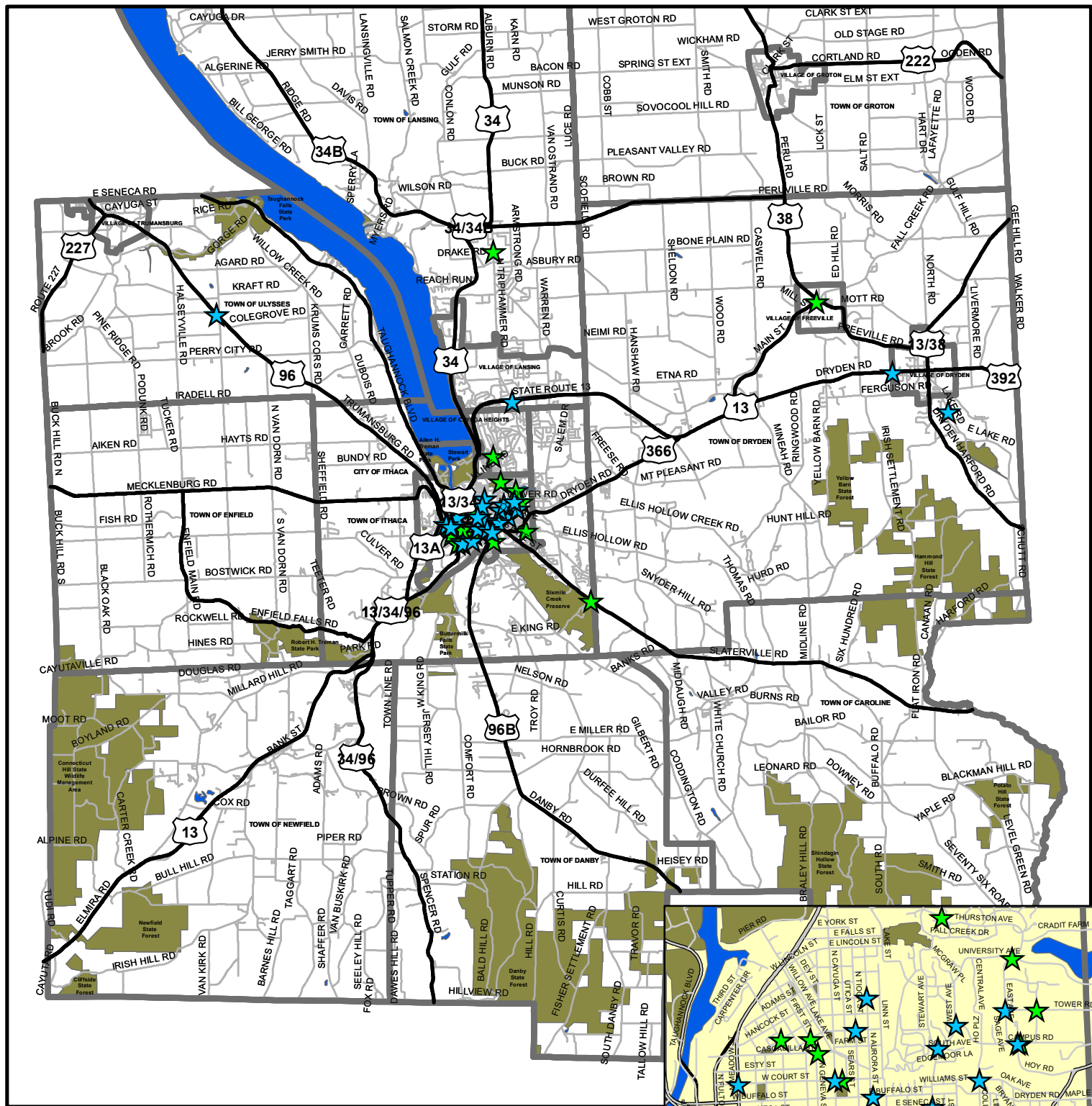
Location of Crashes w/Pedestrians in Tompkins County, NY 2017 and 2018

Legend

- Crashes w/Pedestrians 2018 (50)
- Crashes w/Pedestrians 2017 (19)

Crashes w/Pedestrians (2018):
 State Roads 30%
 County Roads 4%
 Town Roads 6%
 City Streets 56%
 Village Streets 2%
 Private Road 1%



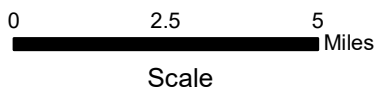


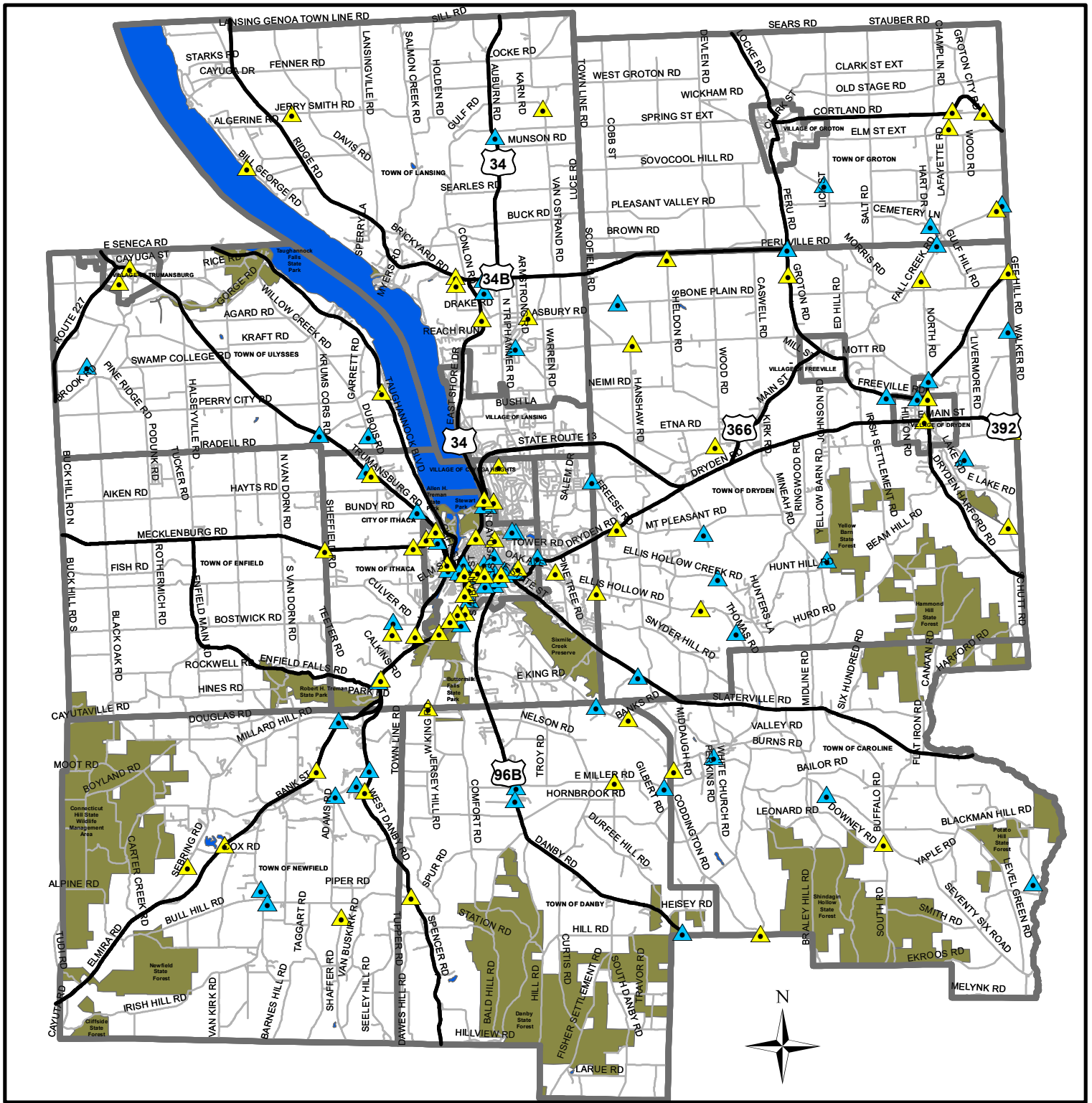
Location of Crashes w/Bicyclists in Tompkins County, NY 2017 and 2018

Legend

- ★ Crashes w/Bicyclists 2017 (23)
- ★ Crashes w/Bicyclists 2018 (22)

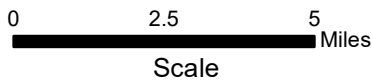
Crashes w/Bicyclists (2017 & 2018):
 State Roads 20%
 County Roads 4%
 Town Roads 0%
 City Streets 73%
 Village Streets 2%





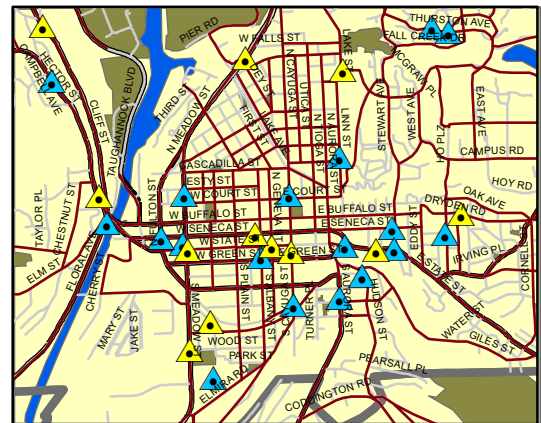
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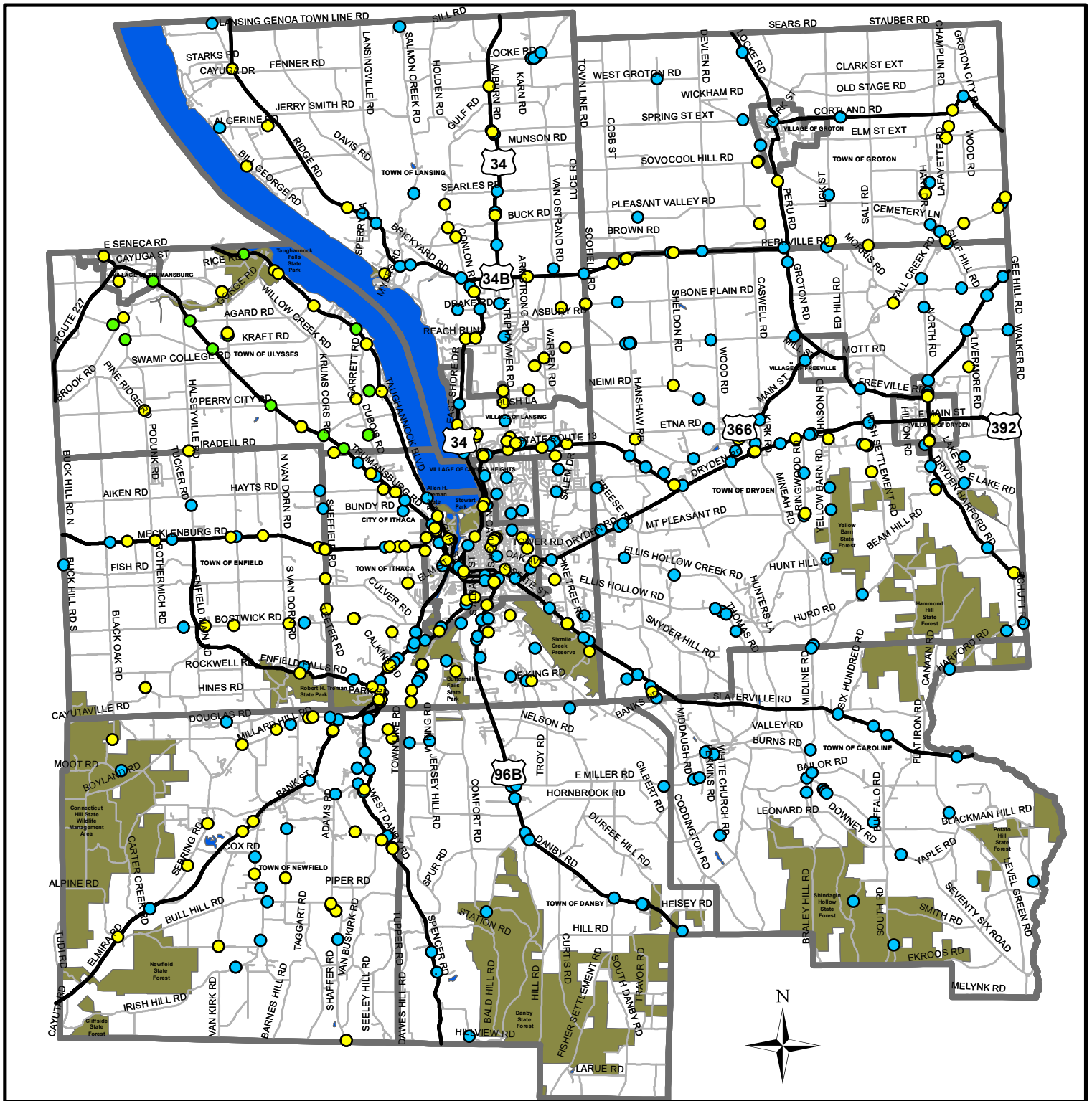
- ▲ Crashes involving Alcohol 2018 (66)
- ▲ Crashes involving Alcohol 2017 (64)



Location of Crashes Involving Alcohol in Tompkins County NY 2017 and 2018

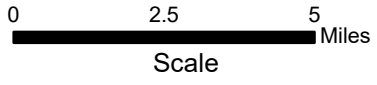
Crashes w/Alcohol (2018):
 State Roads 40%
 County Roads 31%
 Town Roads 21%
 City Streets 3%
 Village Streets 3%





Legend

- Crashes involving Speed 2018 (252)
- Crashes involving Speed 2017 (288)



Location of Crashes Involving Speed in Tompkins County NY 2017 and 2018

Crashes w/Speed (2018):
 State Roads 40%
 County Roads 31%
 Town Roads 21%
 City Streets 3%
 Village Streets 3%

