

Capital District Transportation Committee
Bicycle Pedestrian Advisory Committee

August 6, 2019 Meeting Notes

Attendance:

Linda von der Heide, Rensselaer County Planning; David M Downes, Albany Bicycle Coalition; Valerie Deane, NYSDOT Region 1; Lauren Stairs, Schenectady County Public Health Services; Jennifer Hogan, NYS DOH; John Gillivan, Village of Colonie, Town of Colonie; Laura Byer, Alta Planning and Design; Jen Ceponis, CDTC; Jordan Solano-Reed, CDTC

1.0 New Business

1.1 Welcome and Introductions

1.2 Presentations:

CDTC Local Road Safety Action Plan, Sandy Misiewicz

Sandy Misiewicz presented to BPAC on the CDTC Local Road Safety Action Plan. Sandy discussed the need for the plan as well as how it was undertaken. Public input involved NYS Police, surveys, consultants, and local governments. The two biggest concerns indicated by the plan and the public are distracted driving and lack of bike-ped infrastructure. The plan highlights that there were 1,810 fatal and severe injury crashes in the region in under the last decade, and 630 ped, bike, and motorcycle crashes. The primary take-away from the plan is that systemic improvements are necessary and best for the region.

1.3 CDTC Updates

- 1.3.1 LOS evaluation subcommittee – CDTC reviewed about a dozen and tested three methodologies for bike and pedestrian LOS. Staff consulted with a subcommittee, and determined that two methodologies suited CDTC and the Capital Region. Methodology 1 is Bicycle Level of Service (BLOS) – a more complex and data intensive methodology that favors suburban roads and doesn't consider protection. Methodology 2 is Level of Traffic Stress (LTS) – a less data intensive network analysis approach. BLOS tends to give higher ratings to bicycle routes than LTS.
- 1.3.2 New Visions 2050 Update – CDTC is undertaking an updating of the New Visions Long-Range Plan. A bicycle-pedestrian committee will be convened for the update. The update will look at safety data and metrics, highlight the trails plan, assess certain bicycle and pedestrian counts, address TIP funding, discuss infrastructure inventory, and consider four scenarios used for regional planning. These scenarios will be based on vehicle ownership, development patterns, and electric vehicle adoption rates.

Committee members asked for the update to include trail mileage and mileage in a state of good repair. CDTC is seeking recommendations on locations for bicycle and pedestrian counts.

- 1.3.3 Capital Coexist Mini-grants: \$40,000 was requested for projects, with \$25,000 available. Eight projects were selected to be in funded completely or partially.
Albany County Library has a materials lending library for trial projects! Unused!
- 1.3.4 2019 Bicycle & Pedestrian Education Series – APBP webinars are on-going through CDTC.
- 1.3.5 Complete Streets Advisory Committee Update(s) – No updates at this time.
- 1.3.6 Smart Communities Task Force Update – A nighttime sky tour is being planned for this autumn!

1.4 NYSDOT Updates

- 1.4.1 NYS has conducted a Pedestrian Safety Action Plan.
- 1.4.2 TAP/CMAQ – TAP/CMAQ projects have been identified by NYS. There are 8 projects within CDTC's planning area that cover bicycle, pedestrian, trail, and transit projects. <https://www.governor.ny.gov/news/governor-cuomo-announces-27-million-funding-support-transportation-enhancements-capital-region>

1.5 Linkage Updates – See Linkage update table.

1.6 Local Program Updates

Troy is working on the Hoosick Linkage Study.

Schenectady is working on a shared-use path to Kings Road Bridge.

Albany will be producing a bicycle and pedestrian master plan. The Albany Connector Trail is in design phase.

NYS DOH is coordinating safety campaign resources for the public and local governments.

Colonie's Comprehensive Plan is complete.

1.7 Other Updates – Walk to School Day is October 2, 2019.

2.0 Upcoming Meetings

Meetings are open to the Public. The next CDTC Bicycle and Pedestrian Advisory Committee meeting is **September 10, 2019 at 9:00am at the CDTC Office.**



Local Road Safety Action Plan

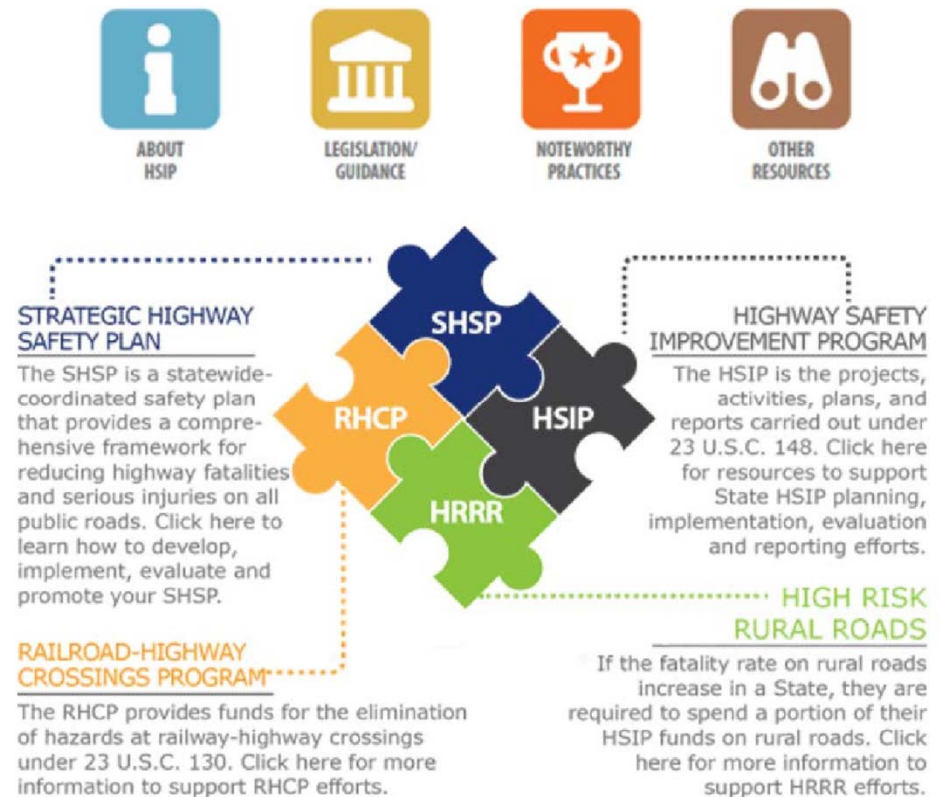
Presented by
Sandy Misiewicz, AICP

August 6, 2019



Highway Safety Improvement Program (HSIP)

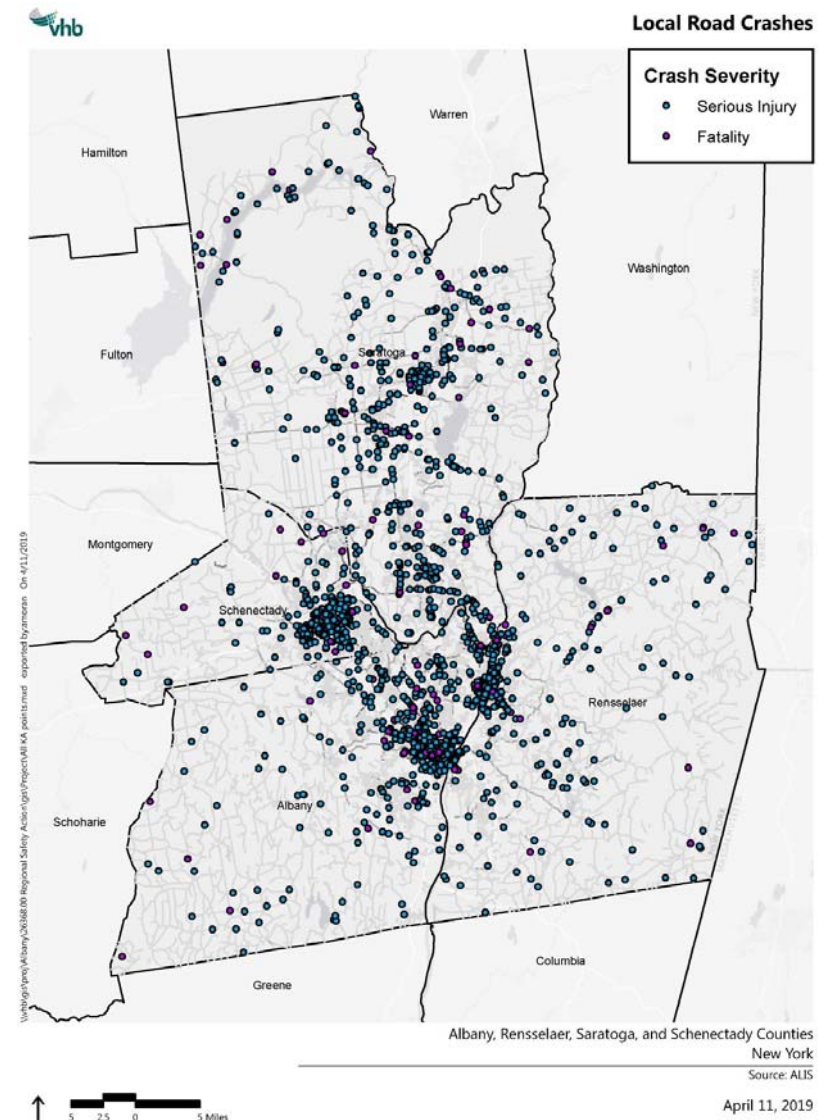
- Funded under the FAST Act
- Reduce fatalities and serious injuries on all public roads
- Data driven approach and reporting requirements
 - NYSDOT Strategic Highway Safety Plan (SHSP)
 - Strategies and actions
 - List of specific goals
 - NYSDOT HSIP Annual Report
 - Outlines progress toward goals



Source: FHWA

Why a Local Road Study?


- FHWA Proven Safety Countermeasure
- Review local road crash data (ALIS) comprehensively
- Reduce the number of fatal and serious injury crashes
- Local Plan
 - Specific to local roadways and crash history in four county area (Albany, Schenectady, Rensselaer, Saratoga)
 - Targeted strategies
 - Short, Medium and Long-term
 - What can counties and municipalities do?
 - What can CDTC do?



Public Input


- Regional Safety Summit
- Focus Group meetings
 - Safety stakeholders
 - NYSP
 - Consultants
- Public Survey (online and in person)
 - Local traffic safety events
 - Farmers markets
 - Community events
- Municipal Survey
- Public Open House





CDTC
CAPITAL DISTRICT
TRANSPORTATION COMMITTEE

You're Invited!
May 24 or 25, 2018




You're invited to participate in a
FOCUS GROUP to help shape the CDTC's
Regional Safety Action Plan

Each focus group is limited to the first 30 registrants.
Please register at <http://signup.com/go/uZeGNUq> to confirm your attendance!

Take a brief online survey to identify areas of interest at:
<https://www.surveymonkey.com/r/CDTCfocusgroup>

Please stay informed via our web page at <http://www.cdcmpo.org/safetyplan> or e-mail us at safety@cdcmpo.org
<https://twitter.com/MPOCDTC> | <https://www.facebook.com/CapitalDistrictMPO/>
<https://www.instagram.com/explore/locations/878088355599970/cdct/>



CDTC
CAPITAL DISTRICT
TRANSPORTATION COMMITTEE

THANK YOU!
for sharing your input
through this survey

CDTC REGIONAL SAFETY ACTION PLAN PUBLIC SURVEY


1. In what municipality do you live? _____

2. What is your biggest concern related to transportation safety?

<input type="radio"/> General pedestrian safety	<input type="radio"/> Vehicle speeds	<input type="radio"/> Compliance with traffic laws
<input type="radio"/> Lack of pedestrian/bicycle accommodations	<input type="radio"/> Unsafe roadways (too narrow, curvature, lack of shoulders)	<input type="radio"/> Lack of educational programs (round-about driving, vehicle/pedestrian laws)
<input type="radio"/> Distracted driving- cell phones	<input type="radio"/> Aggressive driving	
<input type="radio"/> Distracted driving- other (eating/drinking, adjusting radio)	<input type="radio"/> Older drivers	
<input type="radio"/> Impaired driving- drug/alcohol	<input type="radio"/> Young drivers	
<input type="radio"/> Other -please specify: _____		

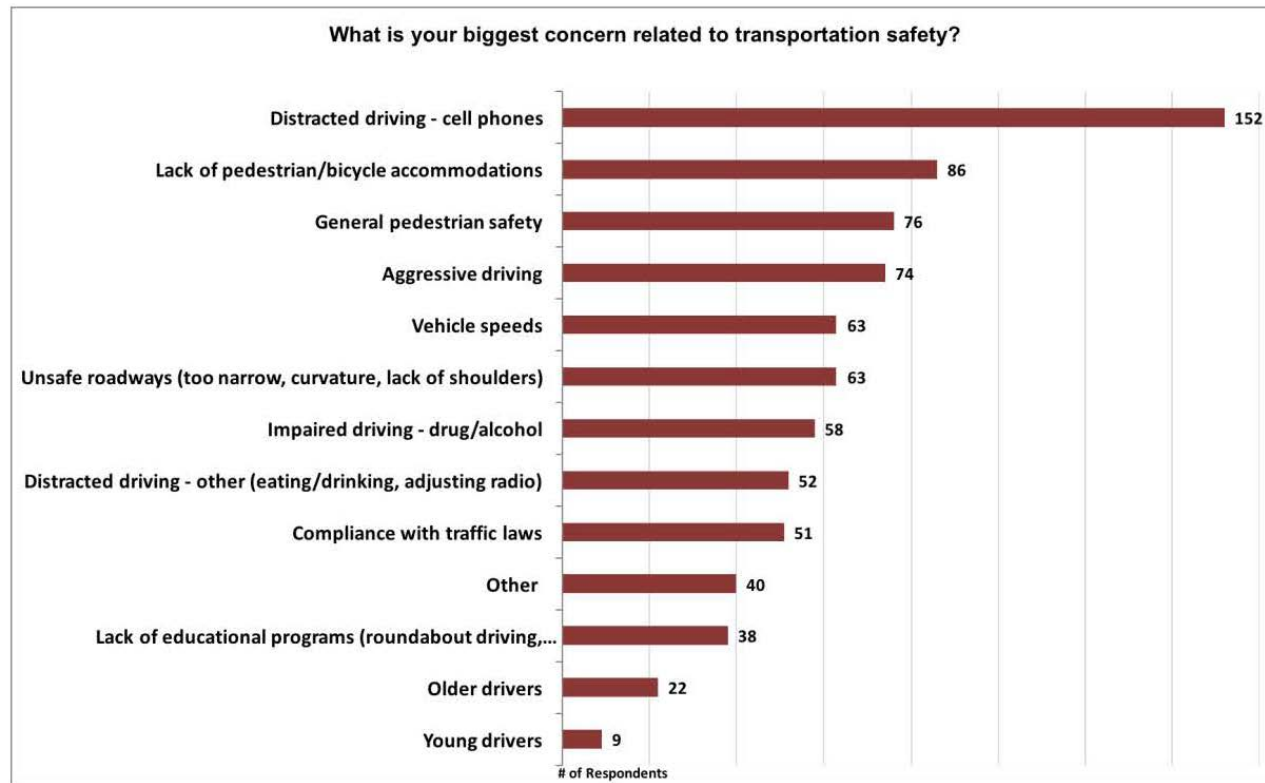
3. Are you aware of how transportation safety issues are currently being addressed in your community?

☐ No ☐ Yes - please specify: _____



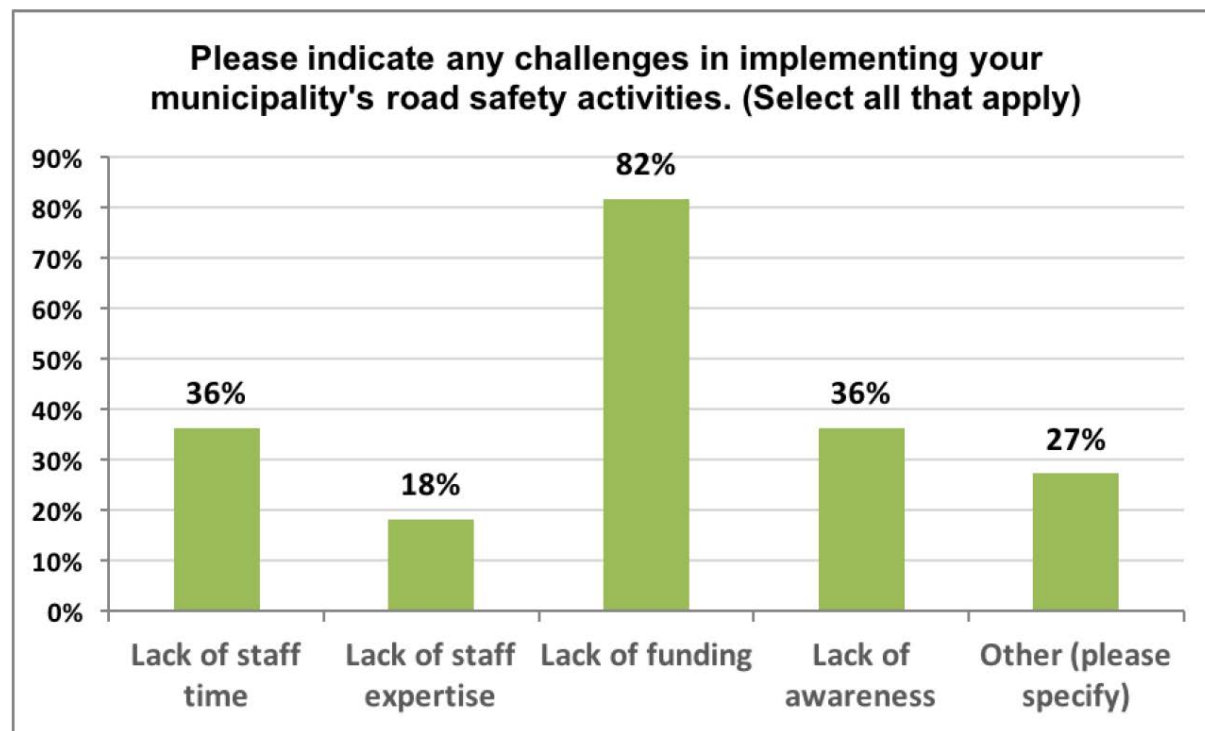
If you prefer to take this survey online, please scan the QR code to the left or go to:
<https://www.surveymonkey.com/r/CDTCpublicsurvey>

Public Input



Source: Public Survey Summary

Public Input

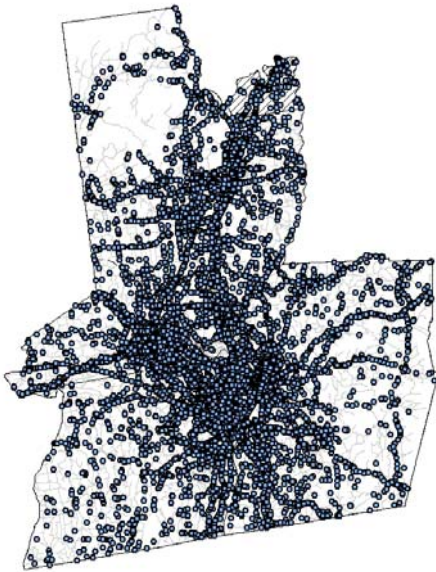


Source: Municipal Survey Summary

ALIS Crash Data Review

- 1,810 Fatal and Serious Injury (K & A) Crashes

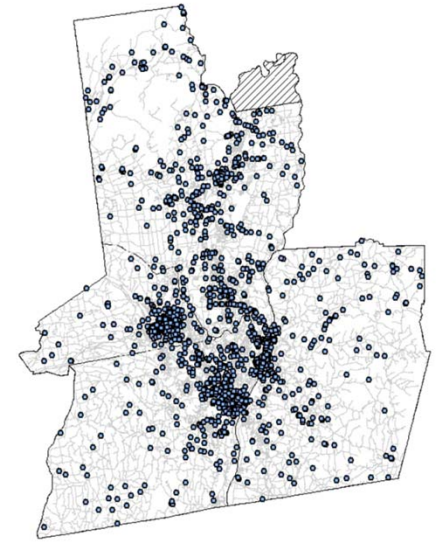
All KABC Crashes
2011-2016



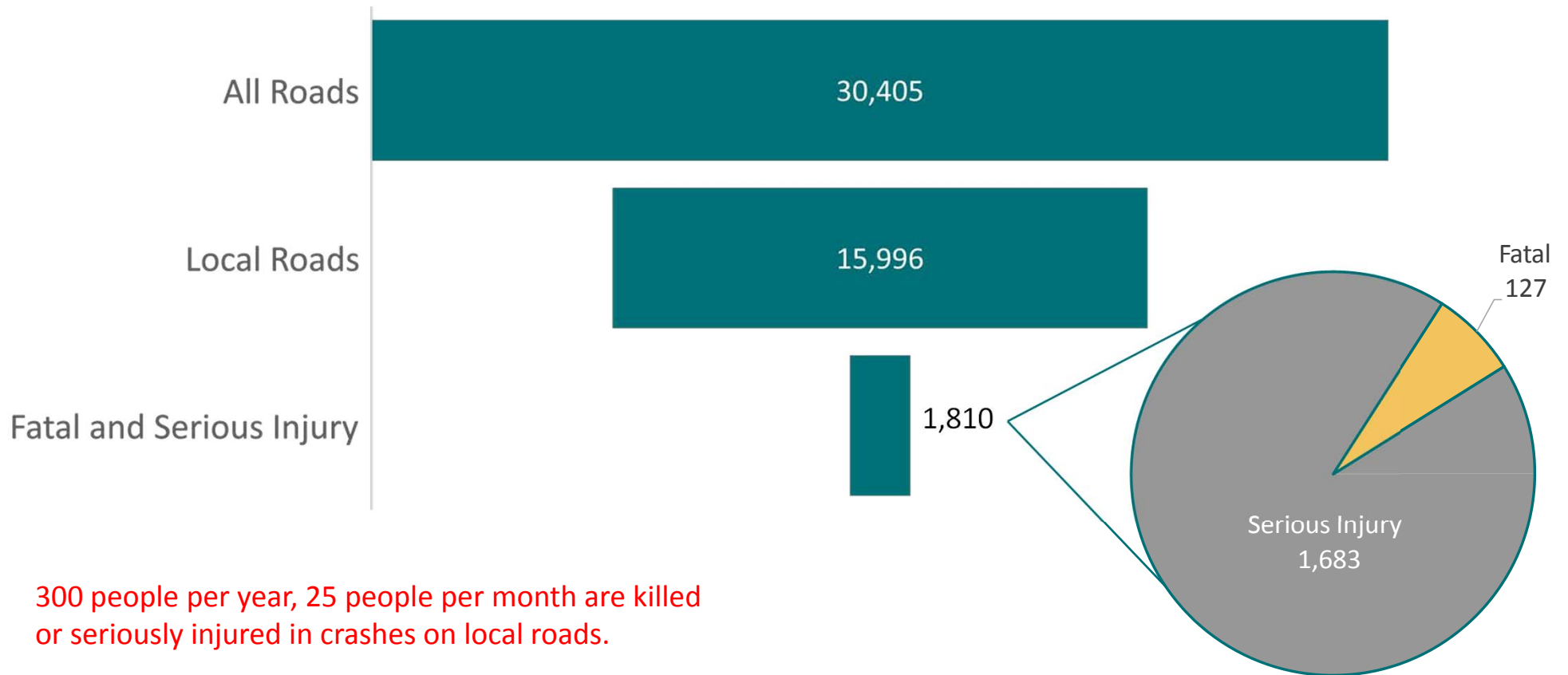
Local Road KABC
Crashes 2011-2016



Local Road KA
Crashes 2011-2016



Local Road Statistics (2011-2016)



Vulnerable User KA Crashes

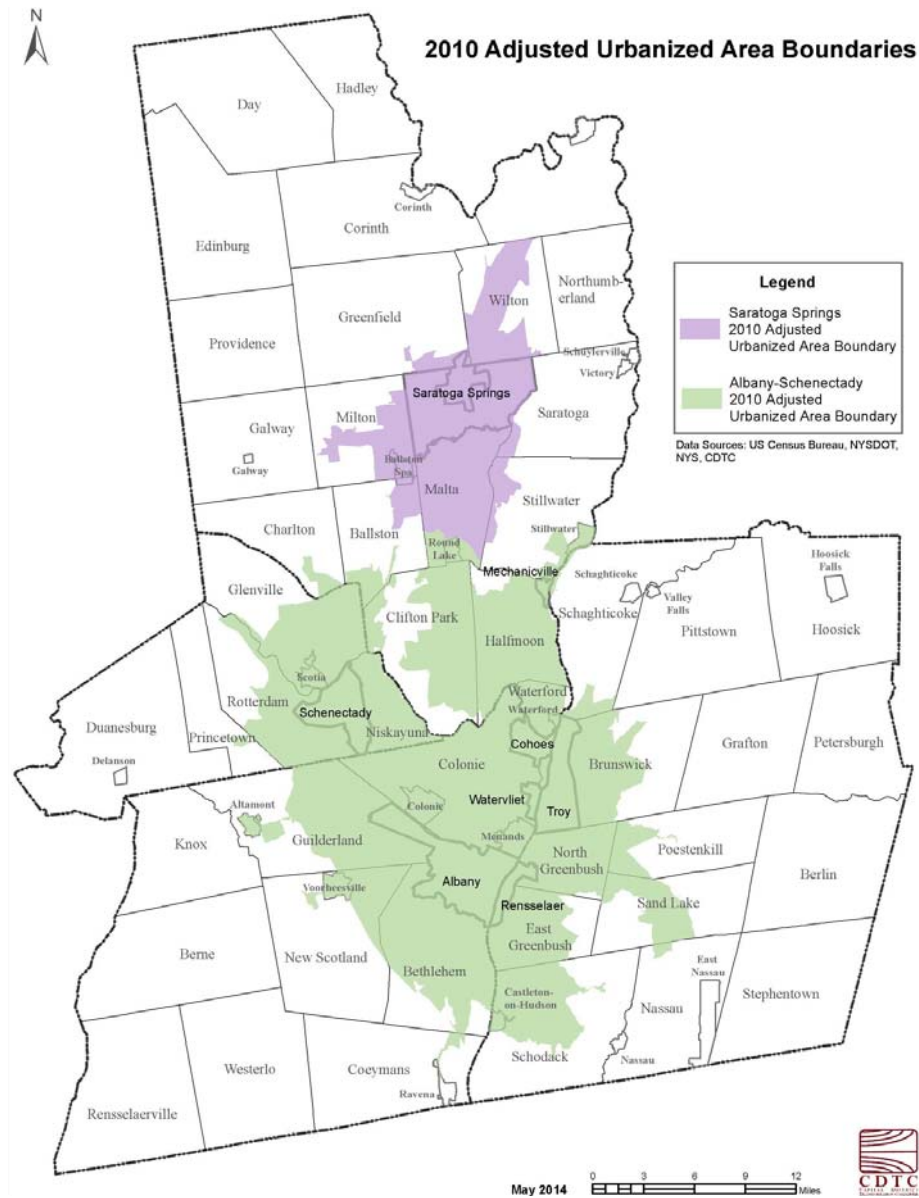
Vulnerable User Group	Year						Total	
	2011	2012	2013	2014	2015	2016		
Pedestrian	Fatality	5	5	7	3	6	5	31
	Serious Injury	47	38	35	39	39	40	238
Bicyclist	Fatality	1	1	0	2	0	1	5
	Serious Injury	15	16	18	18	16	15	98
Motorcyclist*	Fatality	6	7	0	4	8	6	31
	Serious Injury	33	45	40	27	47	35	227
Total		107	112	100	93	116	102	630

All Crashes vs. Fatal/Serious Injury Crashes (2011-2016)

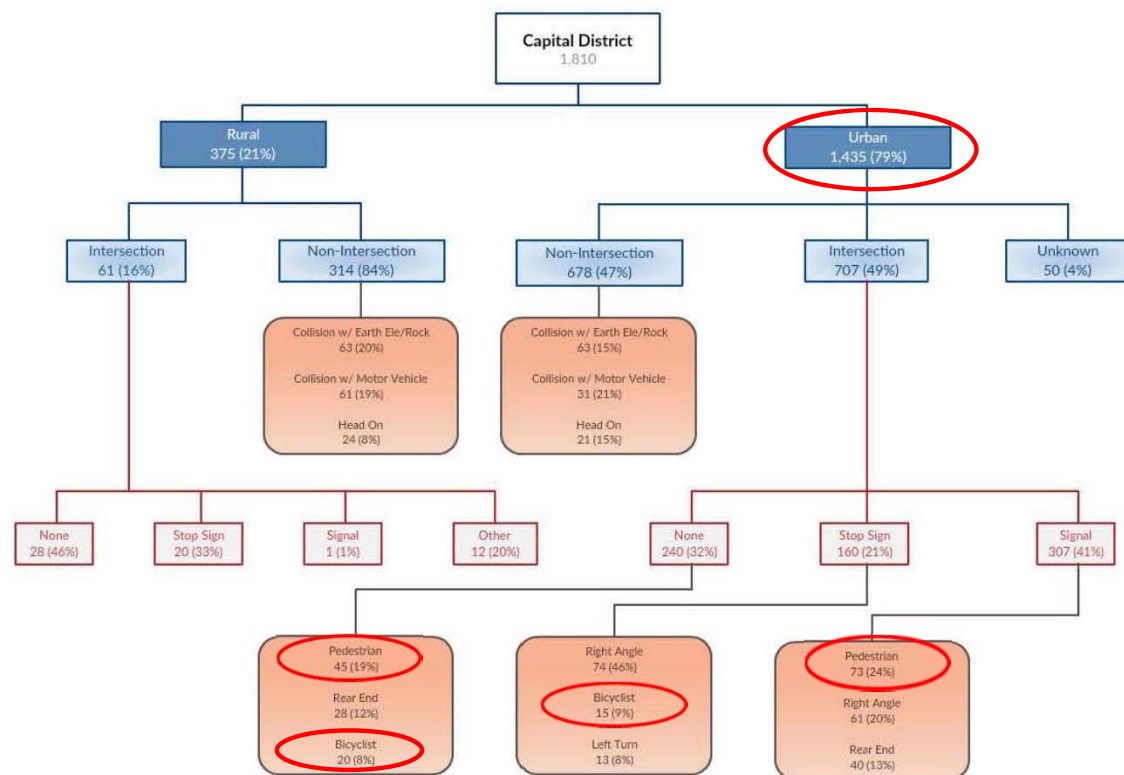
- A higher percentage of severe crashes occur on dark road and curve conditions
- Weather conditions do not result in increased severe crash percentages
- The highest percentage of severe crashes on local roads occur where there is no traffic control
- More than half of severe crashes on local roads are single vehicle crashes



Urban vs Rural



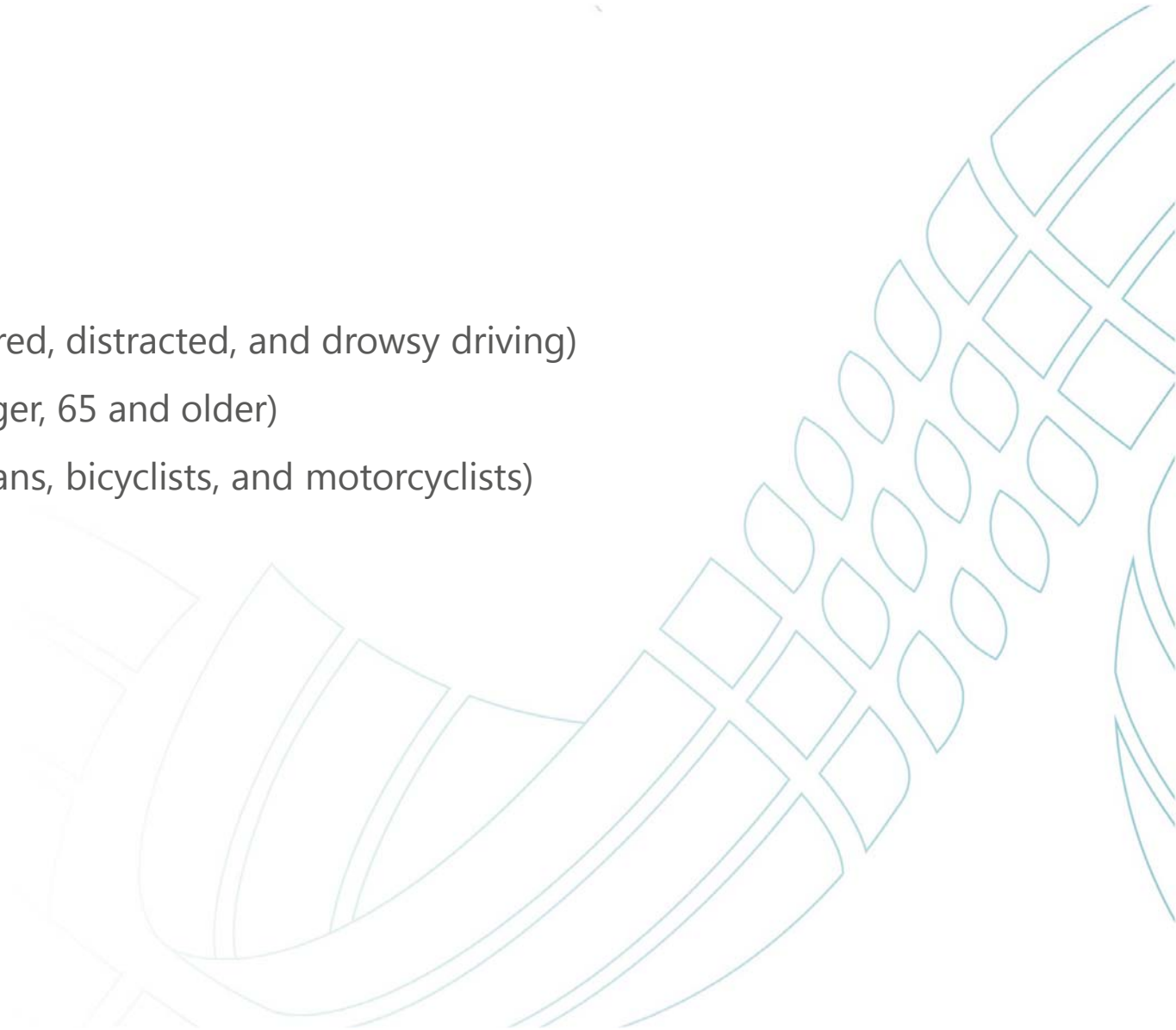
Capital District Fatal and Serious Injury Local Road Crash Tree



Source: ALIS

Emphasis Areas

- Intersections
- Road User Behavior (impaired, distracted, and drowsy driving)
- Age-Related (20 and younger, 65 and older)
- Vulnerable Users (pedestrians, bicyclists, and motorcyclists)
- Lane Departure
- Speed



Emphasis Area Local Road Crashes by Year

(Serious Injury and Fatal Crashes)

Emphasis Area	2011	2012	2013	2014	2015	2016
Intersections	115	127	131	139	147	159
Road User Behavior	124	134	141	124	128	139
Age Related	84	103	76	85	91	96
Vulnerable Users	107	112	100	93	116	102
Lane Departure	98	105	113	79	108	97
Speed	58	69	67	41	65	62

Emphasis Area Local Road Crashes by County

(Serious Injury and Fatal Crashes)

Emphasis Area	Albany	Rensselaer	Saratoga	Schenectady
Intersections	294	157	168	199
Road User Behavior	277	123	225	167
Age Related	157	102	182	94
Vulnerable Users	245	101	143	138
Lane Departure	156	111	254	79
Speed	99	73	134	56

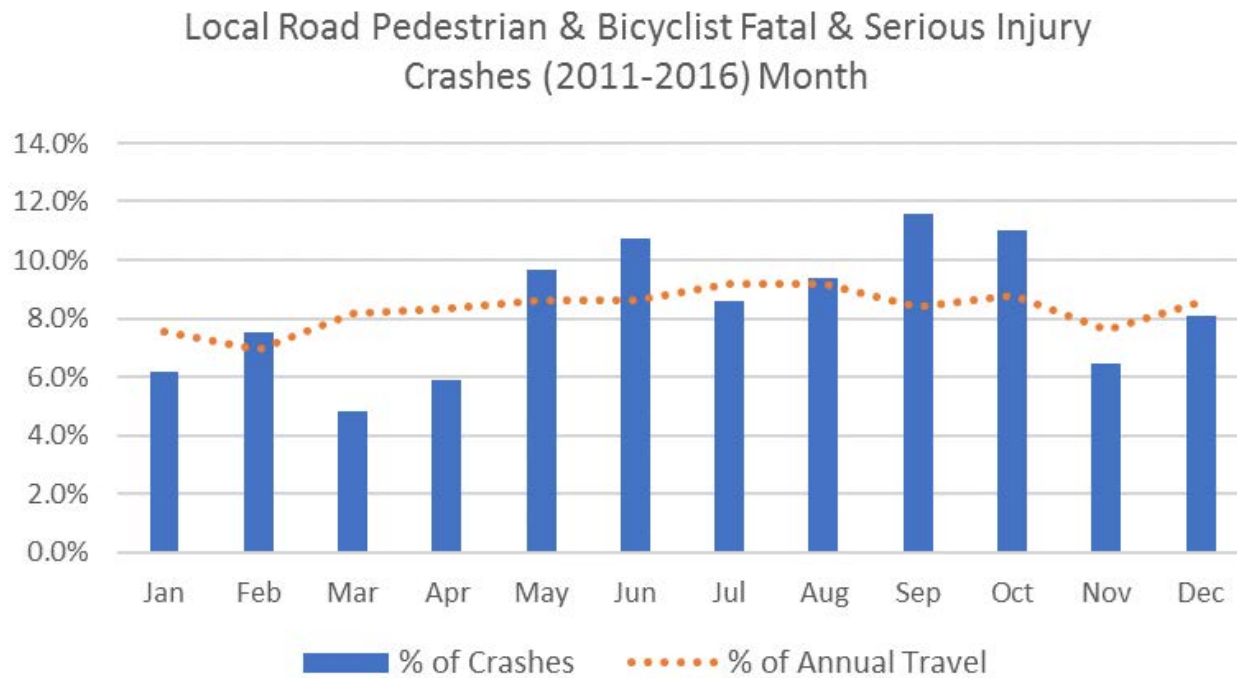
Over-Representation

- Based on the crash type being over-represented when compared to population by at least 1%
- Lack local roadway characteristics data

Table 14 – Pedestrian and Bicycle Fatal and Serious Injury Local Road Crash Over-Representation by Municipality

Municipality	% of County Population	Pedestrian Crashes		Bicyclist Crashes	
		Number	%	Number	%
Albany County		123		39	
<u>Cities:</u> Albany	29.9%	92	74.8%	25	64.1%
Watervliet	3.1%	5	4.1%	4	10.3%
<u>Towns:</u> Berne	0.9%	1	0.8%	0	0.0%
Westerlo	1.0%	0	0.0%	1	2.6%
Rensselaer County		38		17	
<u>Cities:</u> Troy	29.6%	24	63.2%	12	70.6%
<u>Towns:</u> Nassau	2.9%	1	2.6%	1	5.9%
<u>Villages:</u> Hoosick Falls	0.3%	2	5.3%	1	5.9%
Saratoga County		35		22	
<u>Cities:</u> Saratoga Springs	12.3%	11	31.4%	6	27.3%
<u>Towns:</u> Clifton Park	16.2%	4	11.4%	4	18.2%
Corinth	2.8%	0	0.0%	1	4.5%
Edinburg	0.5%	1	2.9%	0	0.0%
Greenfield	3.4%	2	5.7%	1	4.5%
Malta	7.0%	0	0.0%	3	13.6%
Milton	8.5%	5	14.3%	0	0.0%
Northumberland	2.3%	0	0.0%	1	4.5%
Saratoga	2.5%	0	0.0%	1	4.5%
Stillwater	3.8%	2	5.7%	0	0.0%
Wilton	7.4%	5	14.3%	1	4.5%
<u>Villages:</u> Corinth	1.1%	0	0.0%	1	4.5%
Schuylerville	0.6%	1	2.9%	0	0.0%
Waterford	1.0%	1	2.9%	0	0.0%
Schenectady County		73		25	
<u>Cities:</u> Schenectady	39.9%	60	82.2%	17	68.0%

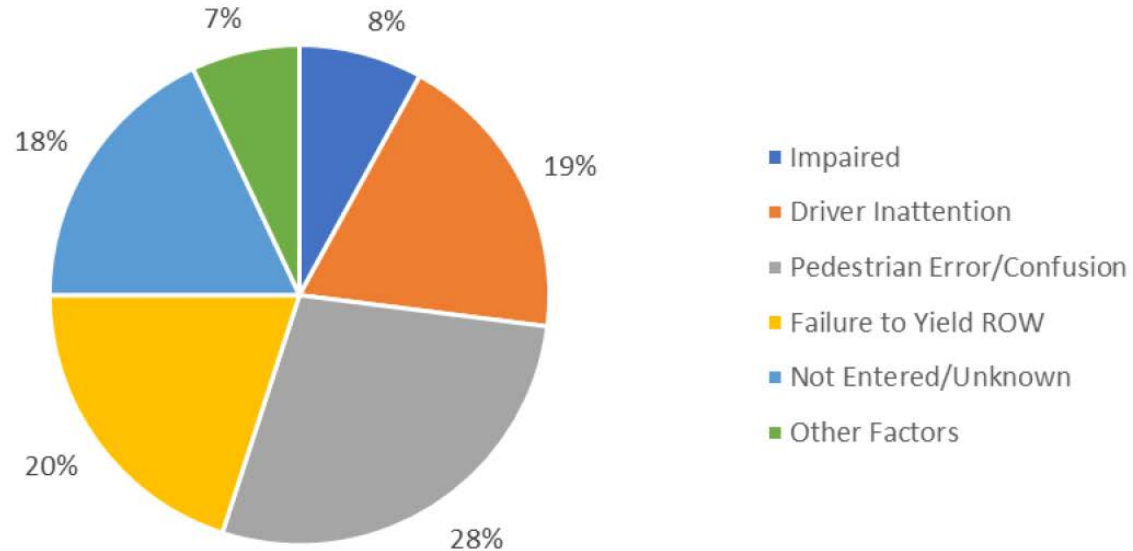
Bike/Ped Crash Data



Source: ALIS and NYSDOT

Bike/Ped Crash Data

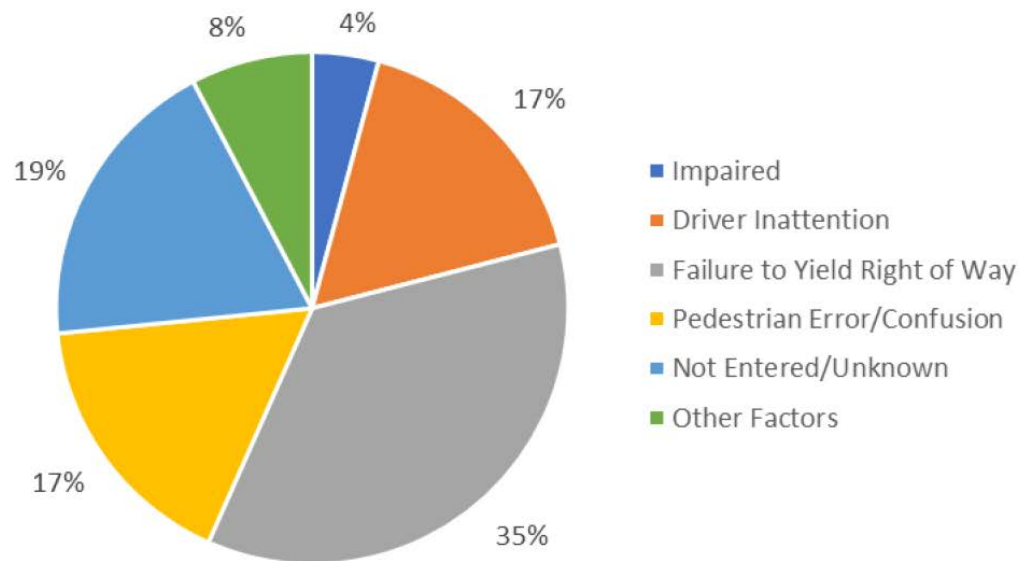
Local Road Pedestrian Fatal & Serious Injury Crashes (2011-2016)
Contributing Factor



Source: ALIS

Bike/Ped Crash Data

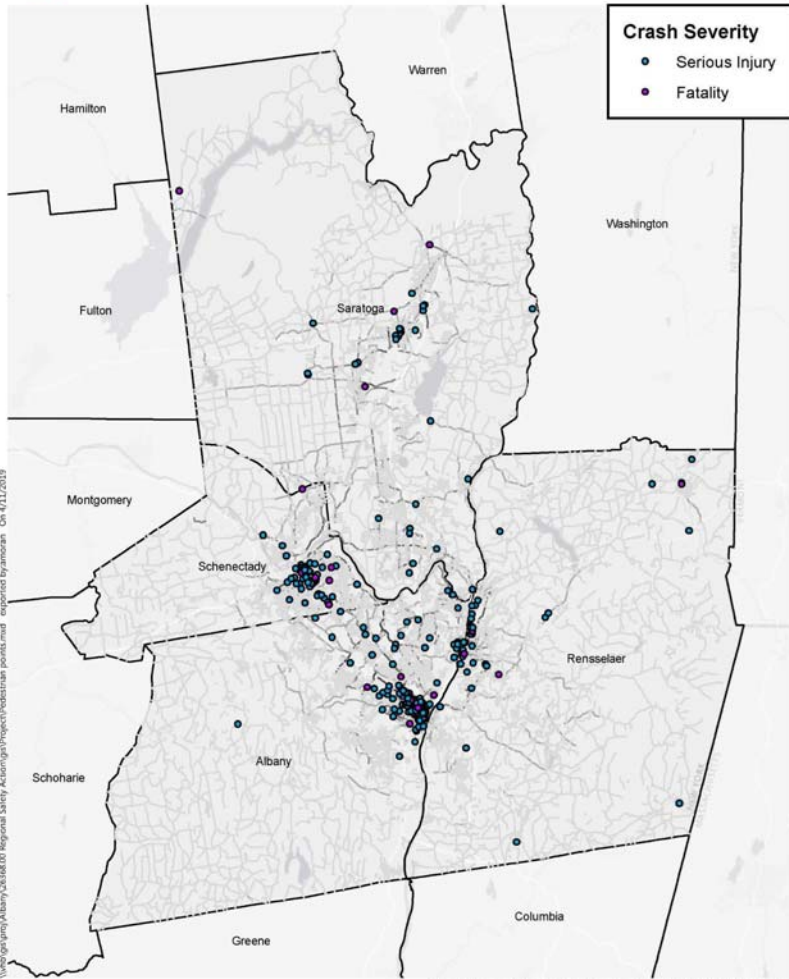
Local Road Bicyclist Fatal & Serious Injury Crashes
(2011-2016) Contributing Factors



Source: ALIS



Figure 10: Local Road Pedestrian Crashes



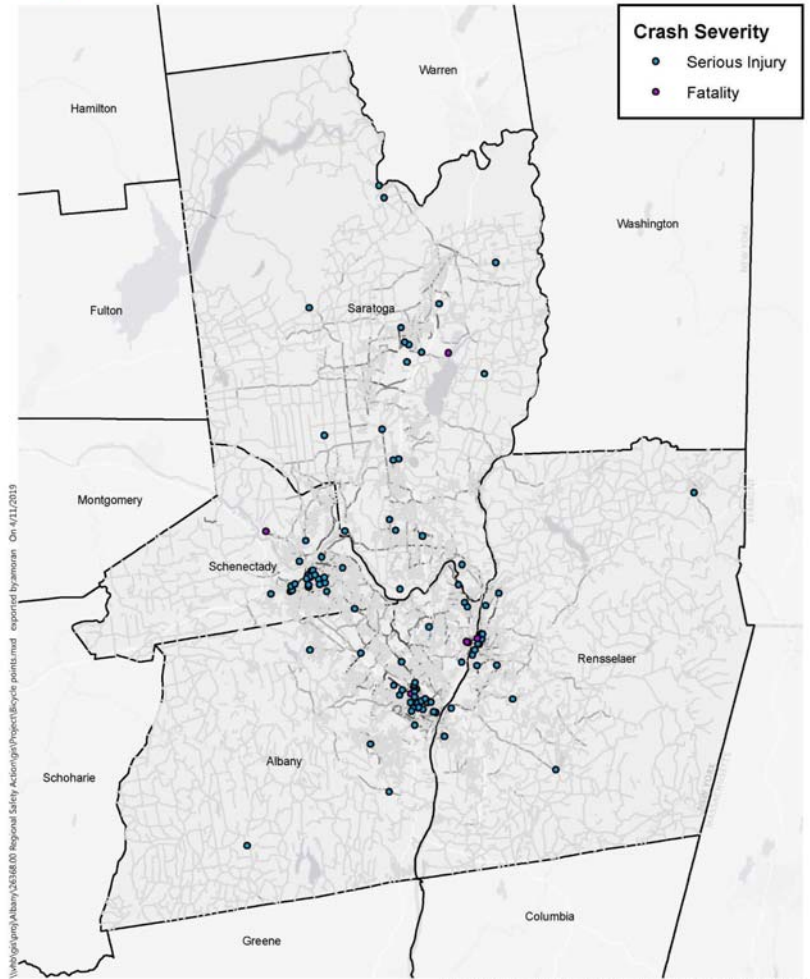
Albany, Rensselaer, Saratoga, and Schenectady Counties
New York

Source: ALIS

April 11, 2019



Figure 11: Local Road Bicyclist Crashes



Albany, Rensselaer, Saratoga, and Schenectady Counties
New York

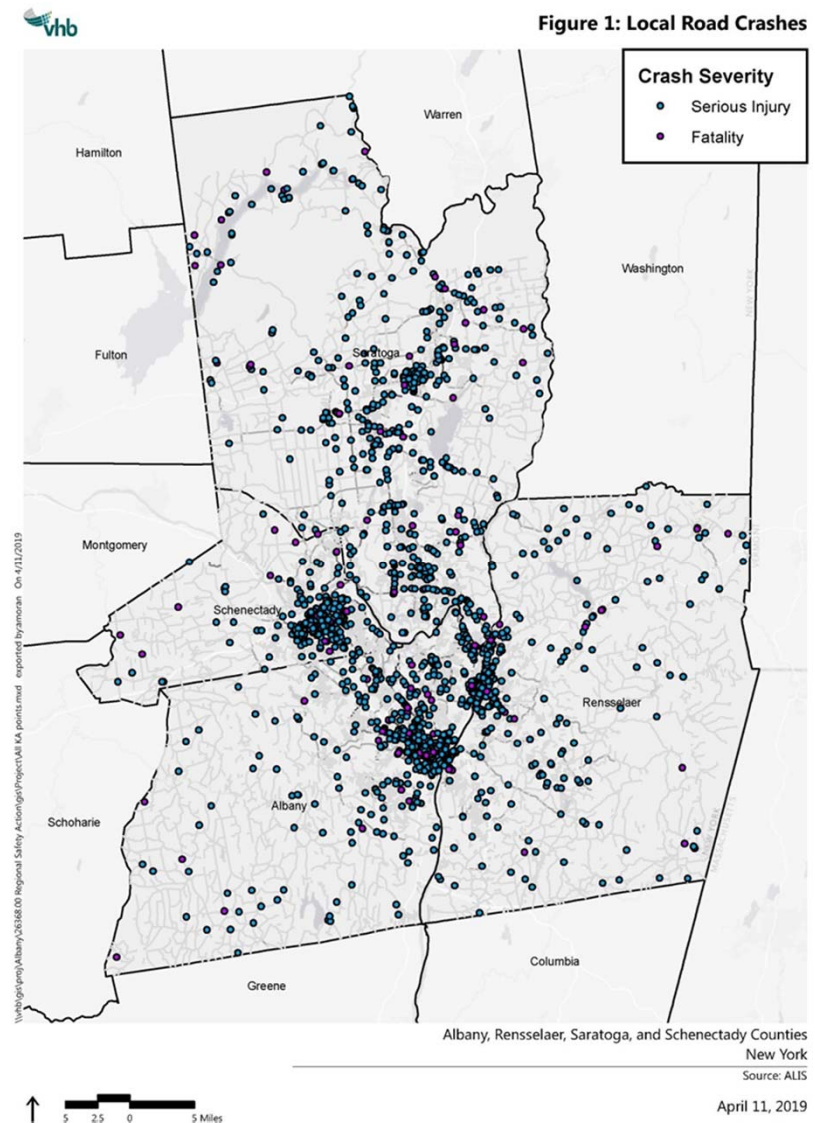
Source: ALIS

April 11, 2019



Major Findings

- Systemic improvements are best
- Fatal and serious injury crashes were more sporadic – limited “hot spots”
- Improvements can be made through engineering, education, and enforcement



April 11, 2019

Municipal and County

- Adopt a Road Safety Audit Program (NYSAMPO Safety Assessments)
- Identify intersections with High Risk Factors
- Implement an Intersection Safety Plan
- Adopt Policies that promote roadway and intersection safety
- **Prioritize Vulnerable Users**
- Update Maintenance Programs

Strategies to
Continue to
be Proactive
on Safety

Prioritize Vulnerable Users

- Conduct pedestrian and bicyclist inventory
- Identify locations with pedestrian and bicyclist risk factors
 - Create a checklist to conduct a pedestrian/bicyclist safety review
- Prioritize locations for implementation of vulnerable user countermeasures

Strategies to
Continue to
be Proactive
on Safety

CDTC

- Collect roadway and intersection data and develop usable inventory
- Define HSIP eligible projects
- Identify and educate others on funding opportunities
- Complete crash evaluations
- Education on new crash data systems as they are developed

**Strategies to
Continue to
be Proactive
on Safety**

Bike/Ped Specific Engineering Strategies

- Install intersection lighting
- Install RRFBs at unsignalized intersections
- Install pedestrian accommodations at signalized intersections
- Install pedestrian warning signs
- Construct bicycle infrastructure (bike lane, shoulder, path)
- Construct pedestrian infrastructure (sidewalk, path, shoulder)



Education Strategies

- Awareness Initiatives
 - Younger Drivers
 - Night time driving
 - Distracted driving
 - Impaired driving
 - Older Drivers
 - New traffic control devices
- Vulnerable User Education
 - Materials and resources like "See! Be Seen!"
 - Help identify and foster local partnerships
 - Encourage participation in available grants



Source: Photo from Safety Summit

Enforcement Strategies

- Training
 - Impaired driver training
 - **Vulnerable user training**
 - Declining ability drivers
 - Crash reporting
- Enforcement Campaigns
 - Focused patrols in conjunction with educational campaigns
- Targeted Patrols



Next Steps

- Engineering Task
 - Further review crash locations for roadway characteristics that increase risk
 - Network screening at a high level
- Regional Transportation Plan Update
 - Integrate SHSP with Local Road Plan
 - Identify priorities
- Develop outline for next UPWP
 - Checklists
 - Factsheets
- Develop outline for SWG



Questions?

Thank You!

www.cdtcmpo.org/safetyplan

Email: safety@cdtcmpo.org



STATUS OF LINKAGE PROGRAM AND CDTC REGIONAL PLANNING INITIATIVES AS OF SEPTEMBER 1, 2019

STUDY NAME AND LOCATION	SPONSOR, PROJECT CONSULTANT, CONSULTANT COST AND CDTC CONTACT	DATE PROGRAMMED	STATUS	ESTIMATED COMPLETION DATE AND COMPLETION TIME (ORIGINAL UPWP FUNDING DATE TO ESTIMATED COMPLETION DATE)	PROJECT WEBSITE LINK
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ALBANY COUNTY

1. Albany Bicycle and Pedestrian Master Plan	City of Albany TBD \$90,000 Carrie Ward	Planning Committee Selected 2/7/19. Policy Board Approved UPWP 3/7/19	CDTC and City staff developed a draft scope of work for partner agency input.	August 2020 15 Months	TBD
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RENSSELAER COUNTY

1. Hoosick Hillside Study	City of Troy Creighton Manning \$92,500 Rima Shamieh	Planning Committee Selected 2/7/18. Policy Board Approved UPWP 3/1/18.	The Study Advisory Committee (SAC) participated in a study area field walk on August 1, 2019. The consultant team developed a draft Community Engagement Strategy and a Field Walk Summary, which were reviewed and shared with the SAC. The project team is continuing to collect existing conditions data, including crash data, data from the National Performance Management Research Data Set (NPMRDS), CDTA ridership data, etc.	May 2020 15 Months	TBD
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SCHENECTADY COUNTY

1. Craig-Main Complete Streets Study	City of Schenectady Place Alliance \$90,000 Jacob Beeman	Planning Committee Selected 2/7/18. Policy Board Approved UPWP 3/1/18.	Draft existing conditions report has been developed. Four-day design charrette held week of 5/20/19. Draft corridor concepts have been developed by the consultant with direct input from the public at meetings on 5/20, 5/22, and 5/23. Consultant is currently working on Final Draft Document. Public Meeting #2 is anticipated early October 2019.	October 2019 15 Months	https://www.craig-main-connection.com/
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CDTC NON-LINKAGE PLANNING INITIATIVES

1. Local Road Safety Action Plan (rebranded from the Regional Safety Action Plan)	Regional VHB \$175,000 Sandy Misiewicz	Included in 2016-2018 UPWP RFP Issued September 2017	The consultant team is developing responses to comments and editing the draft report. The final report will be available in September. The consultant is evaluating 10 sites to identify potential roadway characteristics that might be contributing to serious crashes.	October 2019	www.cdcmpo.org/safetyplan
2. Municipal Smart City Street Light Conversion and Evolving Technology Guidebook	Smart Communities Program Saratoga Springs Planning4Places \$20,000 Jen Ceponis	Added to the 2018-2020 UPWP	The SAC held a kick-off meeting in mid-July and has scheduled a NightSeeing™ Walk for late September 26th.	March 2020	TBD
3. Electric Vehicle Plan	Regional Capital District Clean Communities Jen Ceponis	Included in the 2018-2020 UPWP	Data Collection ongoing. Draft report is currently in development. EV survey available online at http://www.cdcmpo.org/news/latest-news/386-take-the-zero-emission-vehicle-plan-survey	December 2019	http://www.cdcmpo.org/news/latest-news/386-take-the-zero-emission-vehicle-plan-survey

STUDY NAME AND LOCATION	SPONSOR, PROJECT CONSULTANT, CONSULTANT COST AND CDTC CONTACT	DATE PROGRAMMED	STATUS	ESTIMATED COMPLETION DATE AND COMPLETION TIME (ORIGINAL UPWP FUNDING DATE TO ESTIMATED COMPLETION DATE)	PROJECT WEBSITE LINK
4. New Visions 2050	Regional CDTC Staff \$100,000 Chris O'Neill	Included in the 2018-2020 UPWP	CDTC has begun the development of New Visions 2050. Staff is working to update white papers utilizing ongoing advisory committees or re-established task forces. White papers are due to be completed by the end of 2019.	June 2020	www.cdcmpo.org/nv2050

CDTC 2019 BICYCLE & PEDESTRIAN EDUCATION SERIES

You are invited to the CDTC Bicycle & Pedestrian Education Series. CDTC has purchased a series of webinars and educational opportunities which it is offering to Capital District public and private sector planners, engineers, and designers at no cost. CDTC offers webinars developed by the Association of Pedestrian & Bicycle Professionals (APBP), Institute of Transportation Engineers (ITE), Pedestrian & Bicycle Information Center (PBIC), and Transportation Research Board (TRB) throughout the year. The webinars are valuable and informative in advancing transportation planning and engineering in the Capital Region. Professional development and continuing education credits are available for most webinars. The schedule will be updated as new educational opportunities are announced.

DATE	TIME	EVENT	CREDIT	LOCATION
Jan 16	3:00 – 4:00 PM	<i>Bus Stops with Bikeways: Designing Transit Stops with On-street Bicycle Facilities</i>	.1 CEU	CDTC
Feb 20	3:00 – 4:00 PM	<i>Viewing Low-Stress Networks Through an Equity Lens</i>	.1 CEU	CDTC
Mar 20	3:00 – 4:00 PM	<i>Navigating Without Curbs: Accessibility on Shared Streets</i>	.1 CEU	CDTC
Apr 17	3:00 – 4:00 PM	<i>Designing Streets for the Speeds You Want</i>	.1 CEU	CDTC
May 15	3:00 – 4:00 PM	<i>Maintaining Green Infrastructure: Hints for Success</i>	.1 CEU	CDTC
Jun 19	3:00 – 4:00 PM	<i>Finding Common Ground with First Responders: Enhancing Safety and Maintaining Access in Street Design</i>	.1 CEU	CDTC
Jul 17	3:00 – 4:00 PM	<i>Return on investment for Active Transportation</i>	.1 CEU	CDTC
Aug 21	3:00 – 4:00 PM	<i>Getting the Green Light: Improving Actuation and Detection for Cyclists & Pedestrians</i>	.1 CEU	CDTC
Sep 18	3:00 – 4:00 PM	<i>Can We Talk About the Street? Building Support for Controversial Projects</i>	.1 CEU	CDTC
Oct 16	3:00 – 4:00 PM	<i>If We Build it Will They Come? Estimating Demand for Biking and Walking</i>	.1 CEU	CDTC
Nov 20	3:00 – 4:00 PM	<i>Aging in Place: Designing Communities to Support Mobility</i>	.1 CEU	CDTC
Dec 18	3:00 – 4:00 PM	<i>Education and Encouragement: Bringing the Right People Together</i>	.1 CEU	CDTC

Capital District Transportation Committee
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 (518) 458-2161
 Email iceponis@cdtcmpo.org with any questions

