



CAPITAL REGION
**Transportation
Council**

Vision Zero Safety Action Plan
**Regional Operations and
Safety Committee**

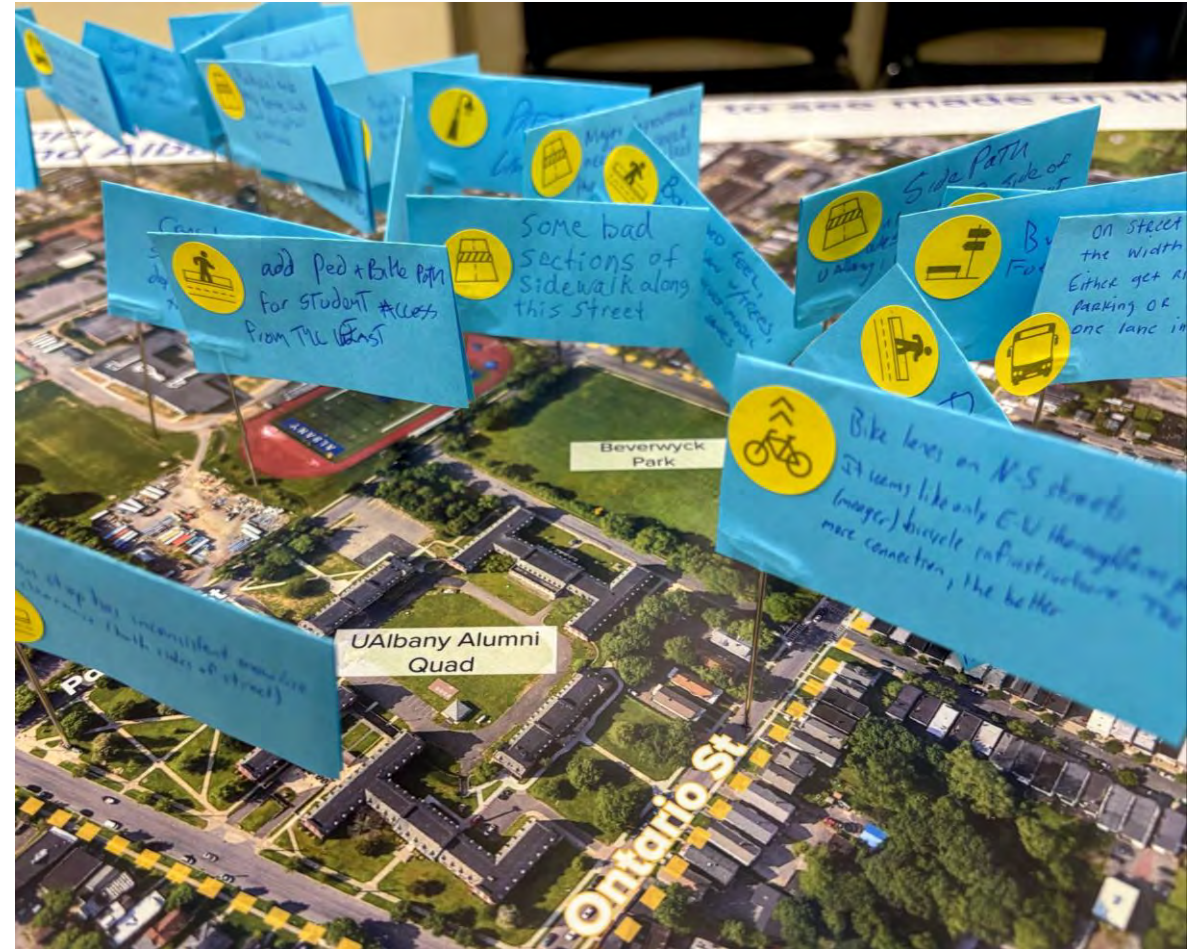
May 29, 2025

P L A N N I N G T H E W A Y W E M O V E



Meeting Overview

1. Safety Implementation Program
2. Policy and Process Changes
3. Transparency and Performance Management
4. Local Vision Zero Resolution template

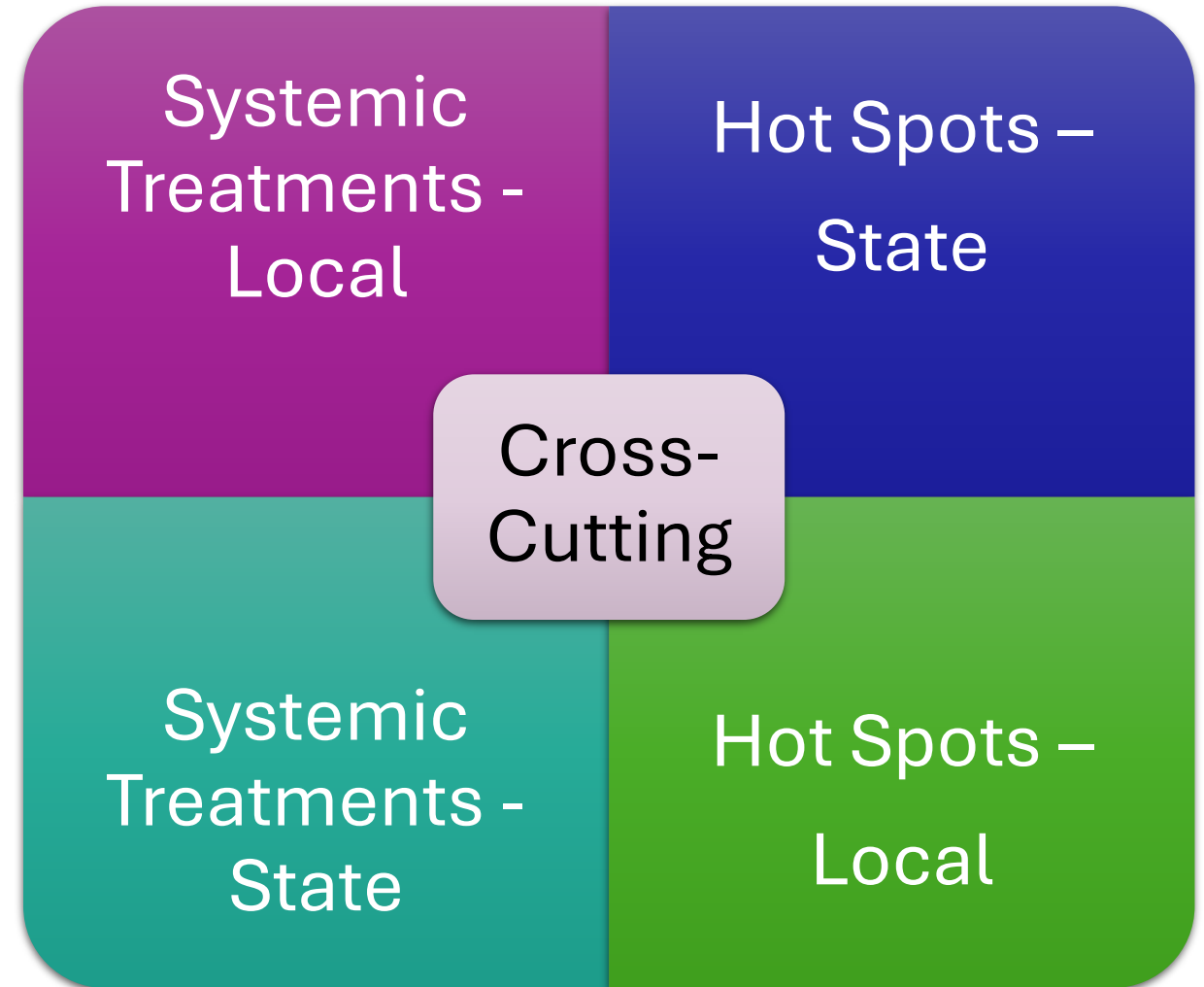


Safety Implementation Program

Safety Implementation Program

Balanced Program

- Hot Spots (Local)
 - Street Safety Investigations
 - Corridor Concepts
 - Other: TIP Illustrative, etc
- Systemic Treatment Packages (Local and State)
 - Focus Facilities



Safety Implementation Program

Hot Spots (Local)

1. Street Safety Investigations (41 conducted)
 - Sand Creek Rd (Town of Colonie) – Shared Use Path and Mid-Block Crossing
 - Broadway at Thatcher St/Pleasant St (City of Albany) – Intersection Improvements
 - Fuller Rd at Railroad Ave (Albany County) – Intersection Improvements
 - Livingston Avenue (City of Albany) – Corridor Improvements

*Systemic improvement packages are recommended for remainder, including:

- Pedestrian crosswalks, signals, signage
- Lighting
- ADA facilities

Safety Implementation Program

Hot Spots (Local)

2. Corridor Concepts

- a) Albany – N Main Ave, Western Ave, Ontario St, Washington Ave (Block)
- b) Schenectady – Eastern Avenue (Corridor)
- c) Troy – 4th Street (Intersection and Corridor)
- d) Saratoga Springs – Broadway, Lake Ave, Henry St, Caroline St (Block)
- e) Watervliet – 2nd Ave, 15th St, Broadway, 16th St (Block)
- f) Green Island – Lower Hudson Ave (Corridor)

*Concepts may be delivered across multiple projects

3. FFYs 2026-2030 TIP – Illustrative List

- a) Federal Street Corridor Improvements (City of Troy)

Safety Implementation Program

Hot Spots (Local)

2. Corridor Concepts – Example: Saratoga Springs



Safety Implementation Program

Hot Spots (State)

- Projects on NYSDOT-owned facilities will be developed through their Annual Work Program of Highway Safety Investigations
 - 2025 Annual Work Program is expected to be provided to Region 1 this month

Safety Implementation Program

Systemic Projects

- Compilation of NYSDOT-approved countermeasures
 - Systemic safety plans
 - *Pedestrian Safety Action Plan* (2018)
 - *Vulnerable Road User Safety Assessment* (2023)
 - *Roadway Departure Safety Action Plan* (2024)
 - FHWA Proven Safety Countermeasures
- Packages are grouped by Focus Facility, eligibility, countermeasure type, and compatibility
 - Intended to guide development of grouped projects
 - Packages may be delivered as a whole or “a la carte” countermeasures can be applied
- Individual locations will require field evaluation
- “Enhanced” packages may require further study

Safety Implementation Program

Systemic Projects

- Projects on NYSDOT-owned facilities will be developed through their Annual Work Program of Highway Safety Investigations
 - 2025 Annual Work Program is expected to be provided to Region 1 this month

Safety Implementation Program

Intersection and Pedestrian Focus Facilities by Owner Type

Facility Owner	Focus Facility	Intersection		Pedestrian			(Both)
		Total	> Avg. # of Risk Factors	Total	> Avg. # of Risk Factors	VRU "High Risk" Areas	> Avg. # of Risk Factors
NYSDOT	Urban Signalized with 4 or more Legs	248	158	248	141	8	138
	Rural Stop-Controlled Cross-Intersections	106	97	-	-	-	-
	Urban Signalized Y- and T-Intersections	-	-	154	92	-	-
	Urban Stop-Controlled Cross- and T-Intersections	-	-	1,359	905	2	-
Cities and Villages	Urban Signalized with 4 or more Legs	377	141	377	136	72	125
	Rural Stop-Controlled Cross-Intersections	58	9	-	-	-	-
	Urban Signalized Y- and T-Intersections	-	-	221	103	30	-
	Urban Stop-Controlled Cross- and T-Intersections	-	-	3,835	2,472	342	-

Safety Implementation Program

Roadway Departure and Speed-Related Focus Facilities by Owner Type

Facility Owner	Focus Facility	Roadway Departure		Speed-Related		(Both)
		Total	> Avg. # of Risk Factors	Total	> Avg. # of Risk Factors	> Avg. # of Risk Factors
NYSDOT	Urban Arterials (Free Access)	336	255	336	162	146
	Rural Arterials (Free Access)	212	53	212	147	29
	Urban Major Collectors	-	-	83	64	-
	Rural Major Collectors	172	87	172	101	16
	Rural Minor Collectors	70	18	70	14	12
Counties	Urban Arterials (Free Access)	72	53	72	23	19
	Urban Major Collectors	-	-	178	81	-
	Rural Major Collectors	73	59	73	25	12
	Rural Minor Collectors	407	68	407	85	39
Cities and Villages	Urban Arterials (Free Access)	149	29	149	29	14
	Urban Major Collectors	-	-	91	7	-
	Rural Minor Collectors	4	0	4	0	0
Towns	Urban Arterials (Free Access)	26	19	26	1	1
	Urban Major Collectors	-	-	103	34	-
	Rural Minor Collectors	18	6	18	7	4

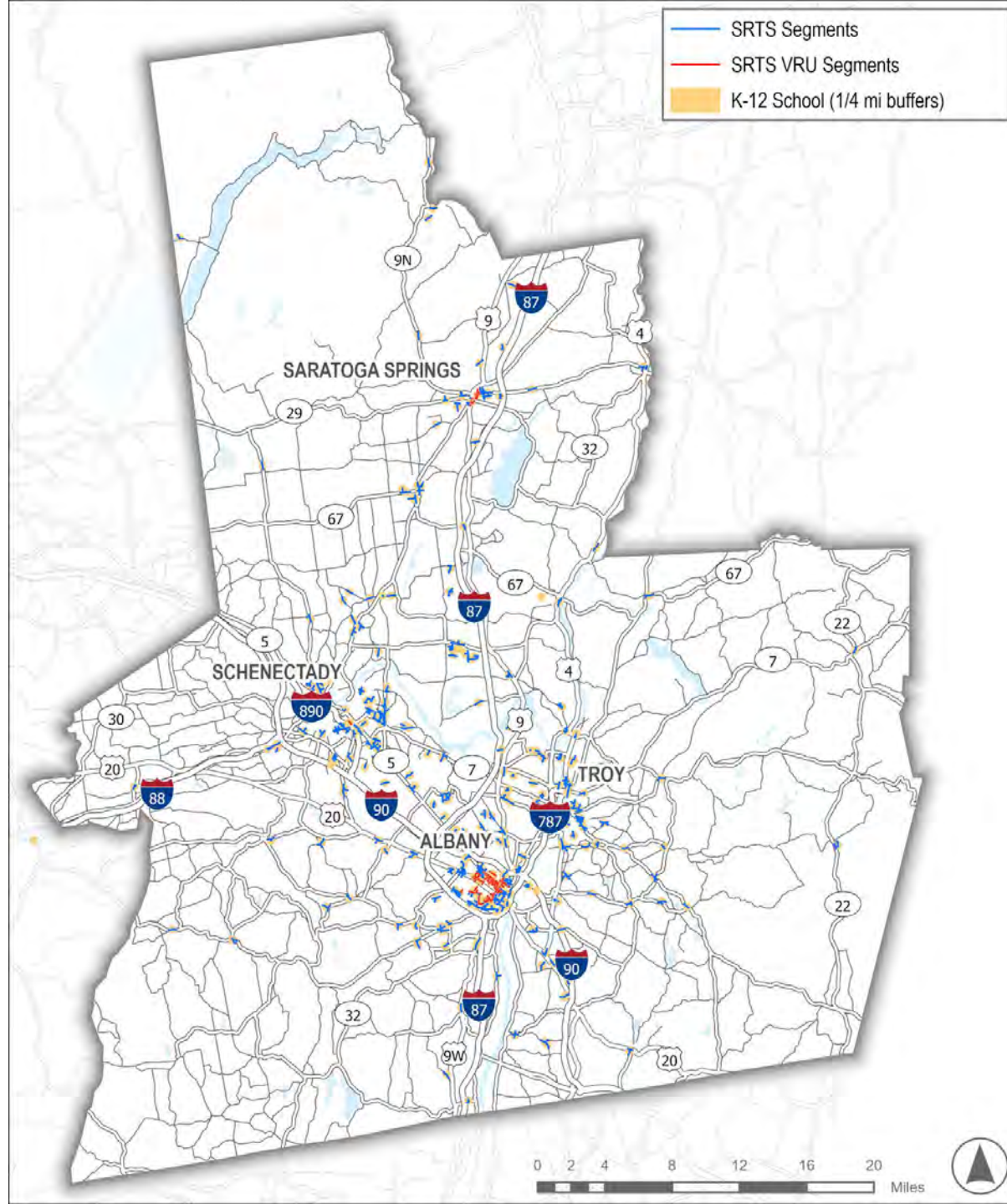
Safety Implementation Program

Safe Routes to School

- Pedestrian safety infrastructure
- School Zone signage and speed management
- Crossing Guards
- Safe Routes to School Educational programs

Primary and Secondary SRTS Segments

Facility Owner Type	Miles by Functional Classification			Total
	Local	Federal Aid (Non-NHS)	National Highway System	
NYSDOT	0.0	17.8	14.8	32.6
County	2.8	14.0	1.0	17.7
City/Town/Village	52.9	50.0	11.8	114.7
Total	55.7	81.7	27.6	165.0



Safety Implementation Program

Safe Routes to Transit

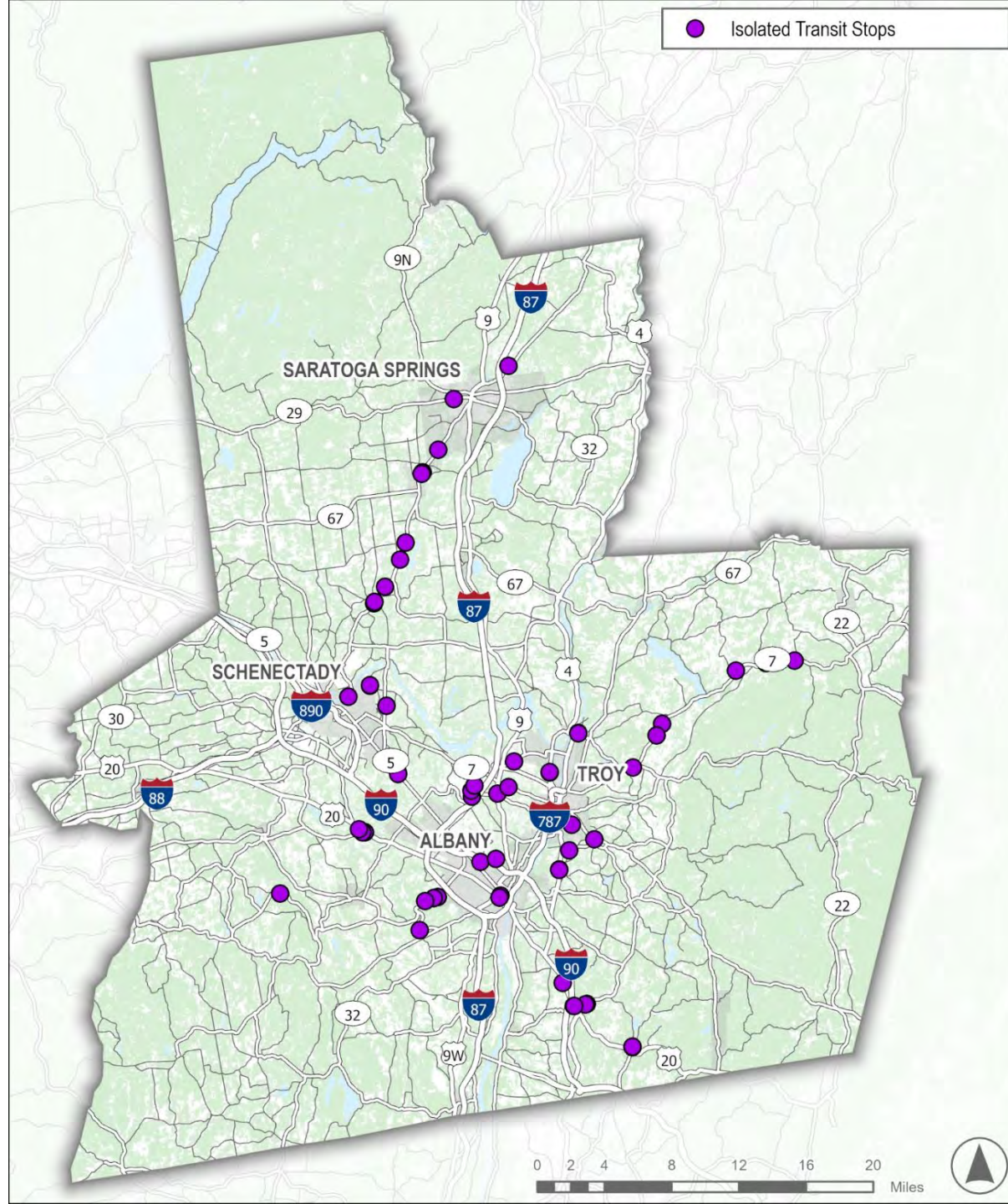
- “**Isolated Transit Stops**” - Mid-block crossings are likely to occur and controlled crosswalks are not present

Primary Countermeasures

- High-visibility crosswalk markings
- Parking restriction on crosswalk approach
- Improved lighting
- Crosswalk warning signs

Secondary Countermeasures

- Advance Yield Here To Pedestrians signs
- Pedestrian refuge islands
- Pedestrian Hybrid Beacon (PHB) or Rectangular Rapid-Flashing Beacon (RRFB)
- Road Diet



Safety Implementation Program

GTSC Enforcement and Education Programs

Police Traffic Services - funds County Sheriff's Departments and municipal police departments to conduct traffic law enforcement for motorist violations based on each jurisdictions' traffic and crash data.

Child Passenger Safety - supports four different initiatives or schedules: fitting stations, awareness trainings, car seat check events and car seat education & distribution programs for low-income families.

Highway Safety Grants - funding for local, state and not-for-profit agencies to address data-driven safety issues in their respective jurisdictions. GTSC accepts proposals with unique activities that addresses one or more of the program areas included in the Highway Safety Strategic Plan.

Local Programs

Safety Implementation Program

GTSC Enforcement and Education – 2024 Grants

	# of Grants	Agencies	Total
Police Traffic Services			\$369,990
Albany County	9	Albany County Sheriff's Office, Green Island Village PD, Guilderland Town PD, Menands Village PD, Watervliet City PD, Albany City Police, Cohoes City PD, Bethlehem Town PD, Colonie Town PD	\$199,722
Saratoga County	3	Saratoga County Sheriff's Office, Waterford Town & Village PD, Ballston Spa Village PD	\$36,104
Rensselaer County	5	Rensselaer City PD, Rensselaer County Sheriff's Office, Schodack Town PD, Troy City PD, East Greenbush Town PD	\$17,093
Schenectady County	5	Glenville Town PD, Niskayuna Town PD, Rotterdam Town PD, Schenectady City PD, Scotia Village PD	\$79,952
Child Passenger Safety			\$176,593
Albany County	2	Albany County Sheriff's Office, Albany County Traffic Safety Board	\$129,100
Saratoga County	1	Cornell Cooperative Extension of Saratoga County	\$24,000
Rensselaer County	6	Rensselaer City PD, Troy City PD, Commission on Economic Opportunity, Samaritan Hospital, The Eddy Foundation, East Greenbush Town PD, Hoosick Falls Village PD	\$54,212
Schenectady County	4	Glenville Town PD, Niskayuna Town PD, Rotterdam Town PD, Scotia Village PD	\$6,400
Highway Safety Grants			\$185,099
Albany County	3	Albany County Department of Health, Cohoes City PD, Colonie Town PD	\$104,260
Schenectady County	1	Glenville Town PD	\$3,150
Saratoga County	1	Cornell Cooperative Extension of Saratoga County	\$77,698

Safety Implementation Program

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Future Opportunities

- Non-participating law enforcement agencies should be encouraged to apply for Police Traffic Services grants
- Non-profit agencies that can target low-income communities should partner with law enforcement or public health agencies for Child Passenger Safety
- Leveraging motorcycle safety education from NYS Department of Health and targeting it to local audiences;
- New organizations with existing ties to local communities and certified instructors should be provided mentorship to become new GTSC grantees to implement these programs.
- Support community organizations to host local programs to improve traffic safety, with a particular focus on novice drivers or underserved and disadvantaged communities.

Safety Implementation Program

Cross-Cutting Projects

Projects to support region-wide Roadway Safety Management and project delivery:

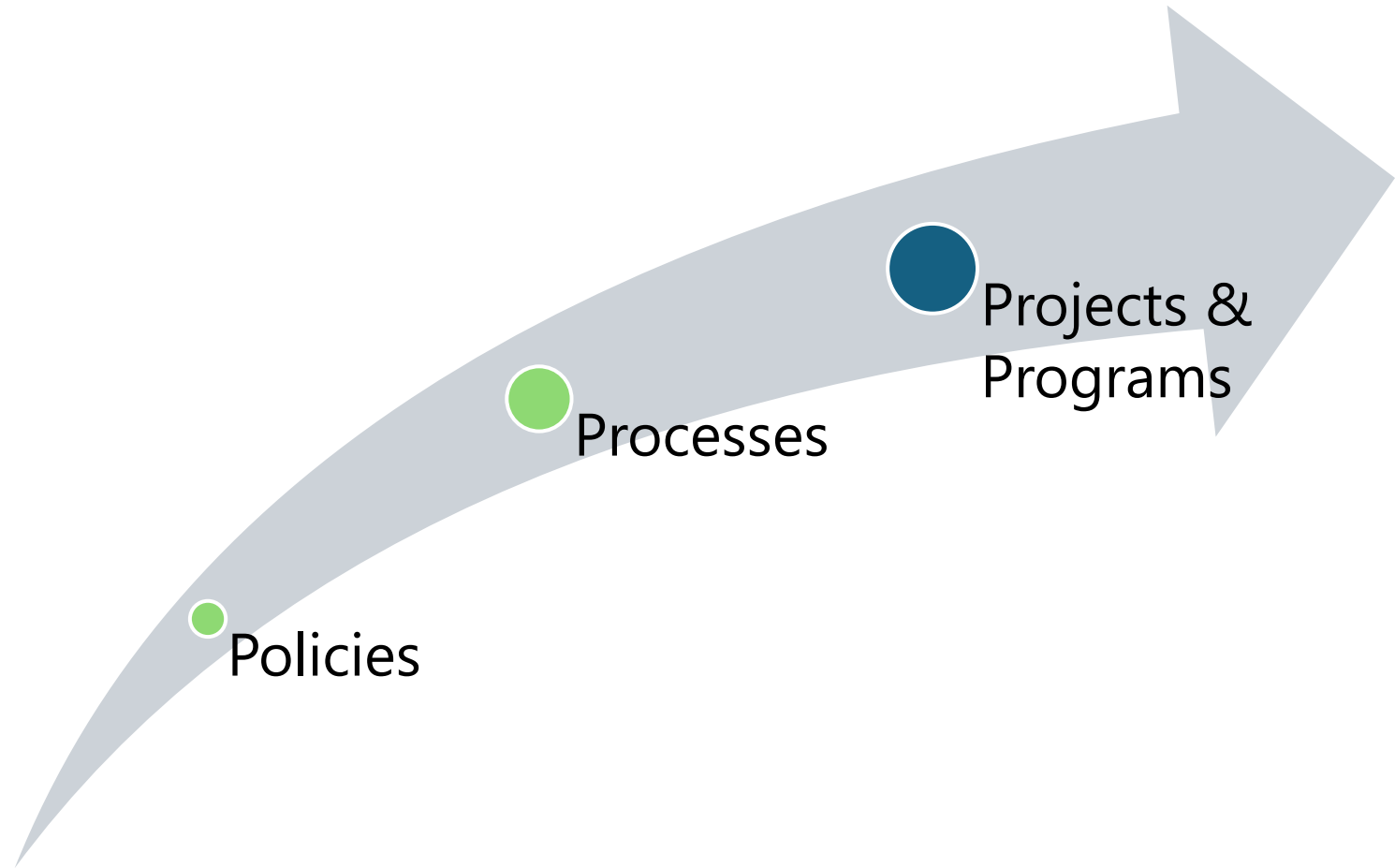
- Highway Safety Investigations
- Road Safety Audits
- Data Collection
 - Vulnerable Road User
 - Emergency Response outcome

Policy and Process Priorities

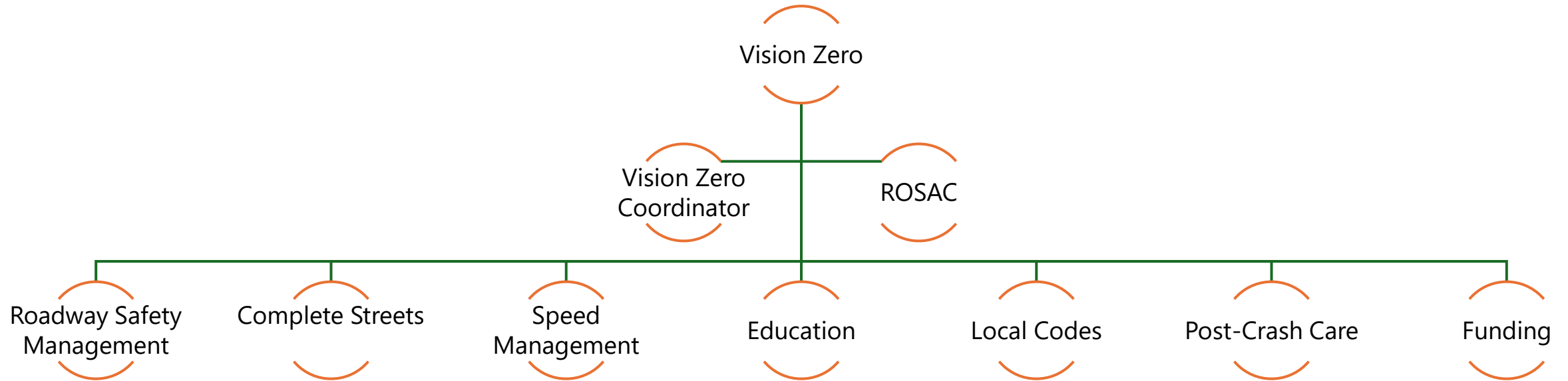
Policies and Processes

Objectives

- Identify safety-related policies and processes in the Capital Region
- Provide an overview of applicable best practices in NYS and nationally
- Develop Safe System Approach-driven recommendations



Vision Zero Policy and Process Framework



Policy and Processes - Priorities

Key Action Items	Category	Lead Agency	Supporting Partners
Vision Zero Policy			
Adopt a Vision Zero Policy for the Capital Region	Leadership	Transportation Council	Counties and Municipalities
Encourage counties, municipalities, and other public/private entities to adopt their own supporting Vision Zero resolutions	Leadership	Transportation Council	Counties and Municipalities
Provide an annual VZSAP Annual Report with updates on key safety performance metrics, tracking progress on the implementation of priority initiatives, and highlighting accomplishments made by partners	Transparency	Transportation Council	NYSDOT
Roadway Safety Management			
Provide network screening results, including vulnerable road users, to facility owners on an annual basis	Network Screening	Transportation Council	NYSDOT
Develop and support an Annual Work Program of Highway Safety Investigations for county- and municipal-owned roads	Public Awareness	Transportation Council	Counties, Municipalities
Provide “seed funding” to conduct preliminary engineering for safety projects where Highway Safety Investigations recommend capital improvements	Project Prioritization	Transportation Council	NYSDOT
Develop an inventory and data management system of horizontal curves on county- and municipal-owned roads for risk assessment of roadway departure crashes	Counter-measure Selection	Transportation Council	Counties, Municipalities

Policy and Processes - Priorities

Key Action Items	Category	Lead Agency	Supporting Partners
Complete Streets			
Continue to collect and analyze active transportation counts, sidewalk inventory, and bicycle facilities data to support corridor-level analysis and project planning	Data Development	Transportation Council	NYSDOT, Counties, Municipalities
Speed Management			
Collect vehicle operating speed data through traffic counts and other methods, per the FHWA Speed Limit Setting Handbook, to analyze the impacts of implementing municipal speed limit changes	Evaluation	Municipalities	TSBs, ROSAC, Transportation Council,
Develop a regional template for required engineering studies to enable municipalities to lower statutory speed limits to 25 miles per hour, per Section 1643 of the NYS Vehicle and Traffic Law	Guidance	ROSAC	Transportation Council, TSBs
Education			
Convene an annual meeting of GTSC grantees to promote coordination and knowledge sharing, pursue a common curriculum and materials, and identify regional gaps in program coverage in advance of the GTSC call for projects	Coordination	ROSAC	TSBs, Counties, Law Enforcement

Policy and Processes - Priorities

Key Action Items	Category	Lead Agency	Supporting Partners
Funding			
Guide local jurisdictions through TIP applications and promote available systemic treatments to access the Highway Safety Improvement Program funding	Guidance	Transportation Council	Counties, Municipalities

Progress and Transparency

Implementation Annual Report

- The *Implementation Program Annual Report* will track action items the member agencies and other partners will undertake to improve safety in the region.
- Performance measures for each action will be identified to allow all stakeholders and the public to track efforts related to the actions.
- The Annual Report will coincide with NYSDOT's *Highway Safety Improvement Program Annual Report* and submission of performance targets to the Federal Highway Administration.

NYSDOT PERFORMANCE MEASURES

Based on FHWA performance measures, NYSDOT has established five performance measures for safety on all public roads. The performance measures are five-year rolling averages of:

- Number of Fatalities
- Rate of Fatalities per 100M Vehicle Miles Traveled (VMT)
- Number of Serious Injuries
- Rate of Serious Injuries per 100M VMT
- Number of Nonmotorized Fatalities and Serious Injuries

In addition to NYSDOT performance measures, the VZSAP will recommend two additional performance measures:

- **Fatalities & Serious Injuries per 100M VMT by Functional Classification**
- **Ratio of Fatalities and Serious Injuries per 100,000 residents in Equity Priority Areas compared to Capital Region-wide Average**

Thank you!