

About the
New Jersey Safe
Routes to School
Program

NEW JERSEY Safe Routes to School



saferoutesnj.org



RUTGERS-NEW BRUNSWICK
Edward J. Bloustein School
of Planning and Public Policy
Alan M. Voorhees Transportation Center

About Safe Routes to School

- Where it's safe, get youth including those with disabilities walking, bicycling, & rolling
- Where it's not safe, make it safe
- Encourage students to walk, bike, & roll to school fostering a healthy, active lifestyle at an early age
- Expand the program to **high school** students



“Where it’s not safe, make it safe”

Three Pillars of the NJ SRTS Program



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Safe Routes to School

The Three Pillars of New Jersey Safe Routes to School Program



NJ Department of Transportation

NJ Safe Routes Resource Center
Rutgers University

8 Transportation Management Associations in NJ

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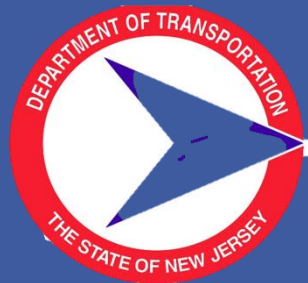


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Safe Routes to School

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NJ Department of
Transportation

School Zone Systemic Safety Analysis

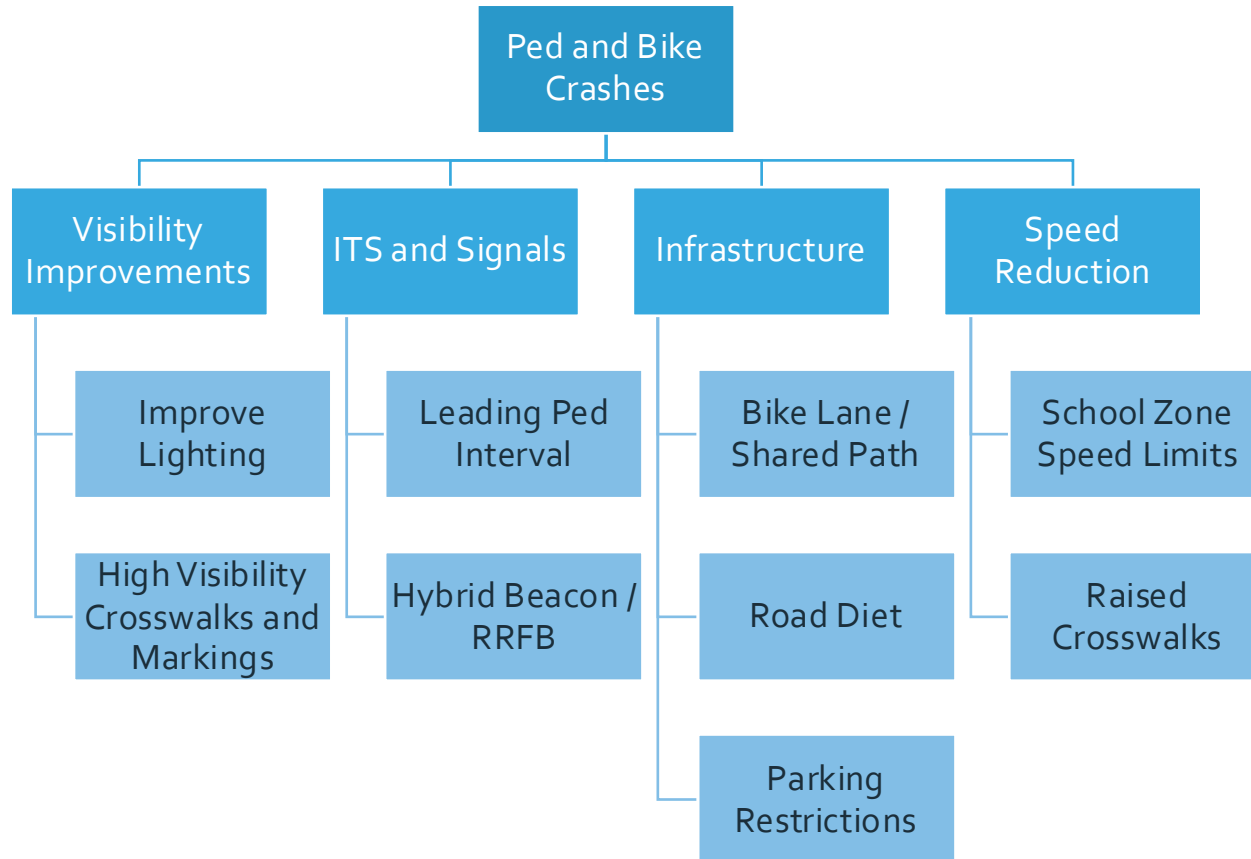
The Challenge

- Develop comprehensive plan to address school zone safety
- Build an environment that supports children's ability to walk or bicycle to school *safely*
- 879 school zones analyzed on/near NJ state routes
- High-risk locations may have no crash history

The Solution: Machine Learning

- Identify risk and proactively apply countermeasures
- Analyzes roadway characteristics, not just crash history
- Outputs of machine learning decision tree algorithm are groups of roadway attributes that define priority locations with highest potential for crashes

Systemic Outputs and Next Steps



- Focus on low-cost countermeasures for wide-spread implementation and/or focused, higher-cost countermeasures
- Bundling countermeasures supports FHWA's Safe System Approach

Advantages and Benefits of Advanced Technology

Traditional Method	Machine Learning Approach
Analyzes single risk factors one at a time	Analyzes combinations of factors simultaneously
Reactive focus on historical crashes	Proactive network-wide treatments
Limited data processing capabilities	Processes thousands of data points in minutes
Manual data collection and screening	Automated optimization through 100k+ iterations on limited, already available data

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NJDOT Safe Routes to School Resource Center

1. Educate about safe walking & bicycling
2. Encourage implementation of safe, accessible infrastructure
3. Develop & disseminate research and best practices



***Strengthening Safe Routes to School
through knowledge***

NJDOT Safe Routes to School Resource Center

- Find your TMA SRTS Coordinator
- Grant Information
- Safety Lesson Plans
- How-To & Case Study Videos
- Crossing Guard Resources
- Design Guides
- Policy Documents
- Research Studies
- Help Desk



NEW JERSEY Safe Routes

Home About Grants & Funding How-To Education Resources Recognition Program Related Initiatives Video Library

Check out our new reports!

Find Your Safe Routes Regional Coordinator

Crossing Guard Resources

Safe Routes SCOOP

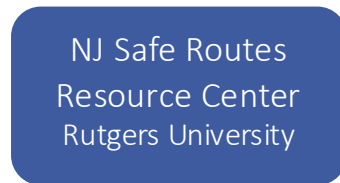
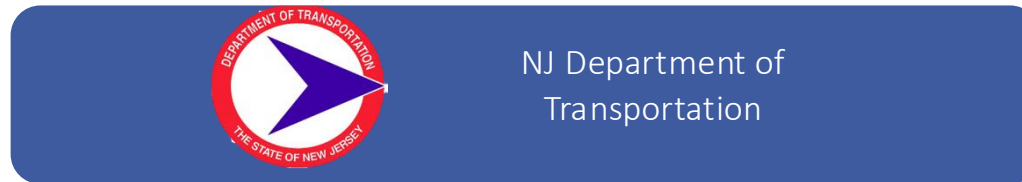
DEPARTMENT OF TRANSPORTATION
THE STATE OF NEW JERSEY

Help Desk at SafeRoutesNJ.org

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TMA Regional SRTS Coordinators



The counties below are serviced by multiple Transportation Management Associations (TMAs) based on the municipality:

Passaic County	
EZ Ride	Clifton, Haledon, Hawthorne, North Haledon, Passaic, Paterson, Prospect Park
Avenues in Motion	Bloomington, Little Falls, Pompton Lakes, Ringwood, Totowa, Wanaque, Wayne, West Milford, Woodland Park
Essex County	
EZ Ride	Belleville, Bloomfield, Caldwell, Cedar Grove, East Orange, Essex Fells, Glen Ridge, Irvington, Maplewood, Montclair, Newark, North Caldwell, Nutley, Orange, South Orange, Verona, West Orange
Avenues in Motion	Fairfield, Livingston, Millburn, Roseland, Short Hills, West Caldwell
Union County	
EZ Ride	Clark, Cranford, Elizabeth, Fanwood, Garwood, Kenilworth, Linden, Mountainside, Plainfield, Rahway, Roselle, Roselle Park, Scotch Plains, Springfield, Union, Westfield, Winfield
Avenues in Motion	Berkeley Heights, Murray Hill, New Providence, Summit
Somerset County	
Greater Mercer	Montgomery
RideWise	All other municipalities in Somerset County



Visit saferoutesnj.org/find-your-srts-regional-coordinator

TMA Regional SRTS Coordinators

- Walk and Bike to School Events
- Bicycle and Pedestrian Safety Education
- Walk and Bike Assessments
- Student Contests
- NJ SRTS Recognition Program
- Supportive Policies for Schools and Complete Streets
- Sustainable Jersey
- **School Travel Plans**



Free Assistance from NJ TMAs

School Travel Plans

A written document that contains plans and goals targeting a safer school environment.



Why School Travel Plans are Important



- Maps out” how to improve pedestrian and bicycle travel
- Identifies short term solutions for immediate action as well as long term ones that may require further planning
- Fulfills requirements toward SRTS Recognition, Sustainable Jersey and SJ for Schools certifications.
- Helps to investigate and prioritize potential solutions
- Helps secure funds and grants



Before: 2007 Photo



After: 2018 Photo



Before: 2013 Photo



After: 2019 Photo



Before: 2009 Photo



After: 2023 Photo

School Zone Safety Strategies

What about right now?

- Reduce vehicles, reduce speeds, minimize potential conflicts
 - Satellite Drop-Off
 - Temporary Road Closures
 - Temporary One-Ways



Contact

Thank You!



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