



SUSTAINABILITY SUMMIT 1



Resources for Quick Build Placemaking & Complete Streets Projects

May 9, 2025

Session 2 11:30AM-12:30PM



Agenda

1. What are quick build projects ?
2. Demonstration libraries
3. Case studies
4. Resources





Bicycle and/or Pedestrian Improvement Projects



Bicycle and/or Pedestrian Improvement Projects

10 — 35 Points

Updated May 2022

Action updates include clarified submission and resubmission requirements, as well as the number of projects that can be submitted in a given year.

The purpose of this action is to encourage municipalities to install temporary demonstration and/or permanent infrastructure improvements, that benefit pedestrians and bicyclists in a manner that uses a Complete and Green Streets for All approach. A Complete and Green Streets for All approach is one in which each street is considered in context and planned, designed and operated to provide safe, convenient, accessible, equitable, healthy, environmentally and economically beneficial transportation for all users of all abilities. Further, as streets and sidewalks are part of the public right-of-way, they provide an opportunity to improve stormwater management. Finally, installation of greenway trails also improve the opportunities for biking and walking.

Municipalities will need to demonstrate how the project submitted under this action goes beyond mandates (such as installation of required American with Disabilities Act - ADA - accessible curb cuts, etc.) and the improvement is in accordance with a larger plan or study to ensure it implements a Complete and Green Streets for All approach. Municipalities engaged in construction of temporary or permanent pedestrian and bicycle improvements or installation of green streets are encouraged to undertake the complimentary planning and policy action -Complete and Green Streets for All Policy. The Complete and Green Streets for All Policy action is based on the New Jersey Department of Transportation (NJDOT) Complete and Green Streets for All: A Model Complete Streets Policy and Guide, and will assist municipalities interested in adopting these new best practices.



Panel Speakers



Anne Heasley



Jasmine Lawrence



Patrick Farley



Lisa Lee



James Sinclair



**Your name
Municipality/Organization
Question?**



NJTPA Complete Streets Demonstration Library

Sustainable Jersey Summit

Jasmine Lawrence, MCRP, LEED Green Associate

Principal Planner, TMA & Mobility Programs

May 09, 2025

NJTPA Region

Bergen

Essex

Hudson

Hunterdon

Jersey City

Middlesex

Monmouth

Morris

Newark

Ocean

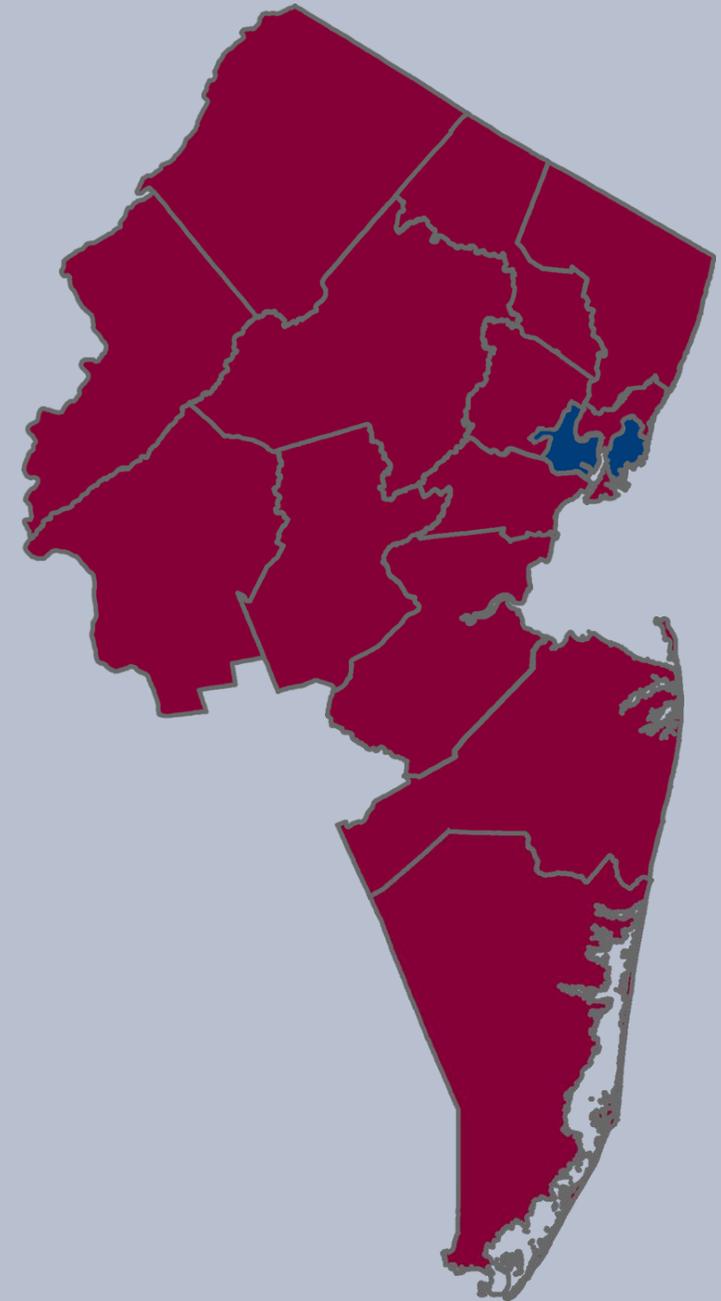
Passaic

Somerset

Sussex

Union

Warren



CS Demo Library Purpose

Support and encourage temporary street designs involving community members in the planning and installation of the project.

The projects' temporary nature enables communities to:

- **Evaluate** their impact on **street performance and safety**
- **Educate** residents about **safer street designs**
- **Collect feedback**



Why install a demonstration project?



Improve road safety



Try before you buy



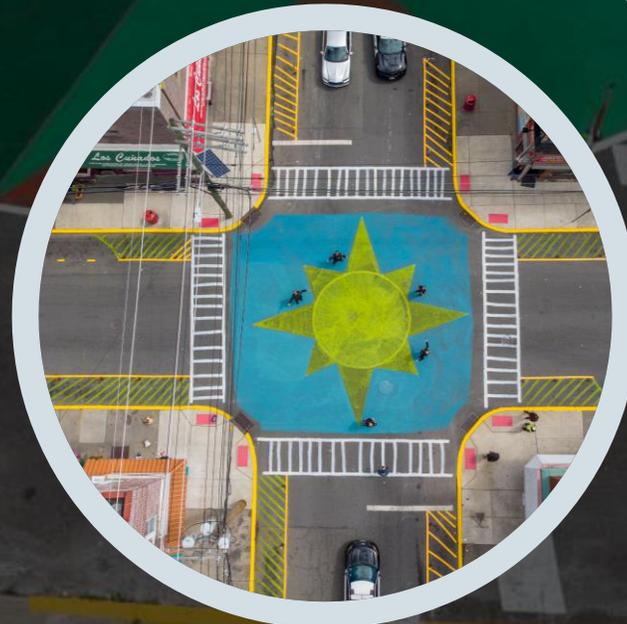
Community
engagement and
education



Gather real-time
feedback and
community buy-in

Where to install demonstration projects?

- Intersections
- Corridors
- Parking spaces
- Priority locations





AVAILABLE MATERIALS

Traffic Control Devices

demonstration@njtpa.org



AVAILABLE MATERIALS

Tools and Consumable Items

demonstration@njtpa.org



AVAILABLE MATERIALS

Placemaking Items

demonstration@njtpa.org



What's the Process?



Initiation

- Identify goals and partners
- Collect examples
- Enlist design professionals



Application

- Express interest to demonstration@njtpa.org
- Submit application and supporting docs
- Finalize agreement



Community Outreach

- Plan community outreach and input
- Work with TMA and other partners



Installation

- Pick up materials
- Documentation (photos, surveys)
- Removal/return of materials



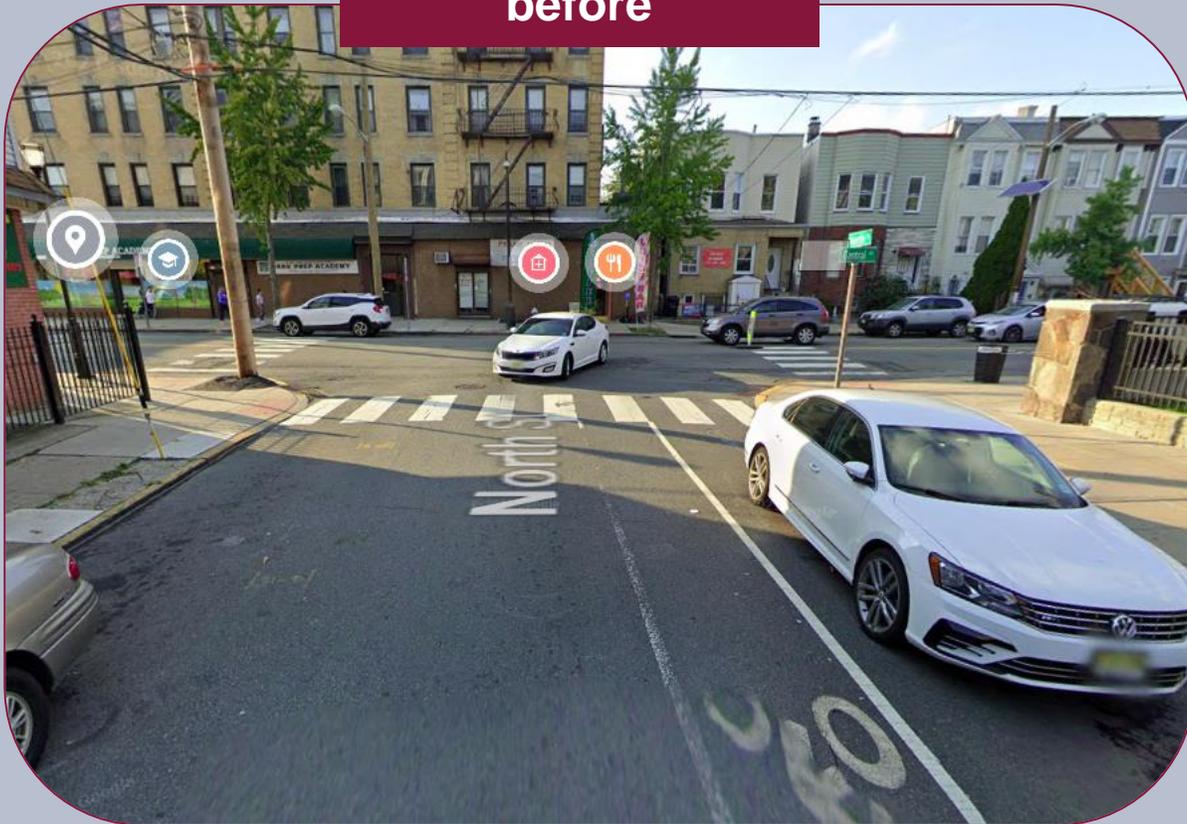
Evaluation

- Return and submit documentation
- Share photos and feedback

Jersey City Traffic Calming Toolkit Part I

North Street

before



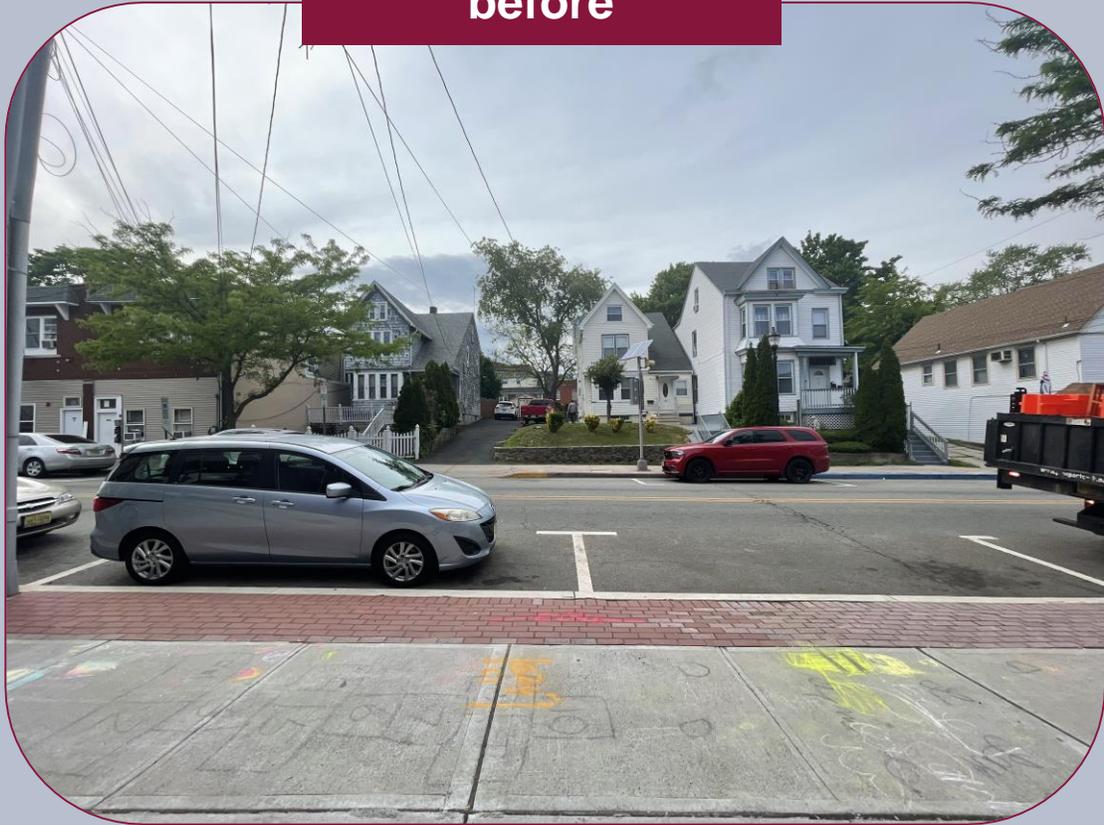
after



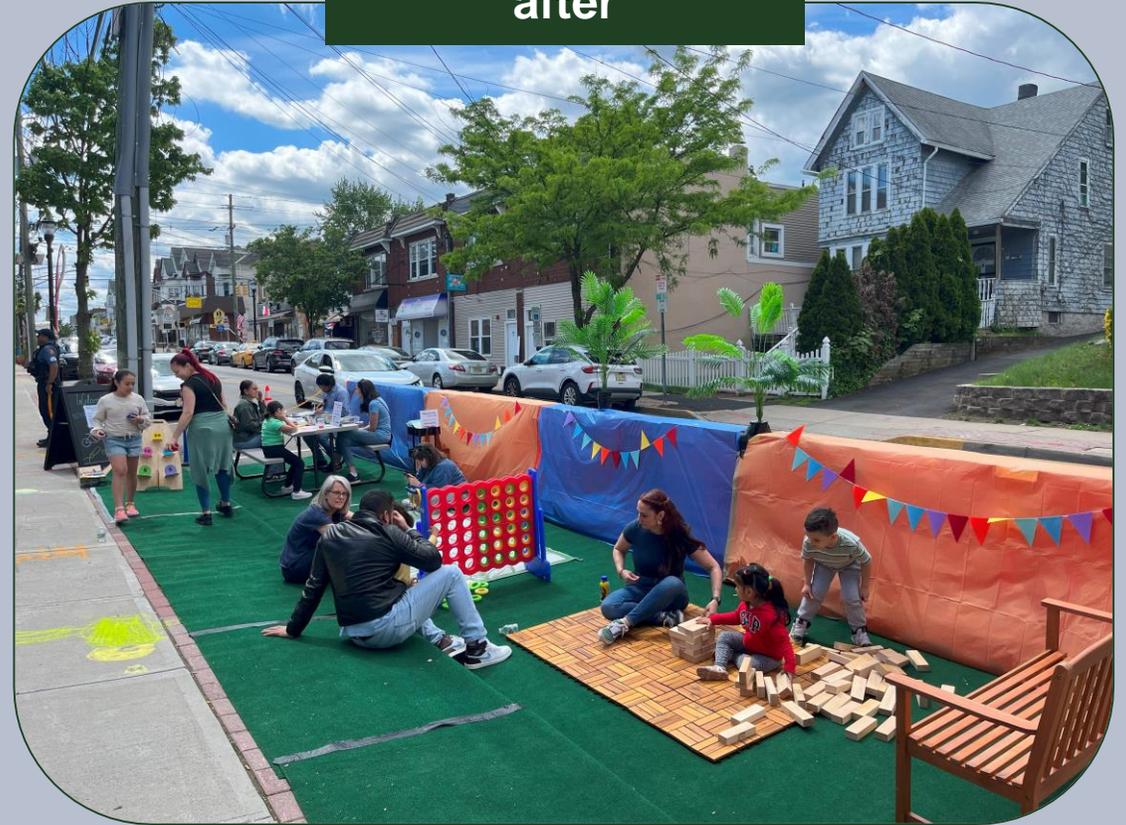
Prospect Park Pop-up Parklet

North 8th Street

before



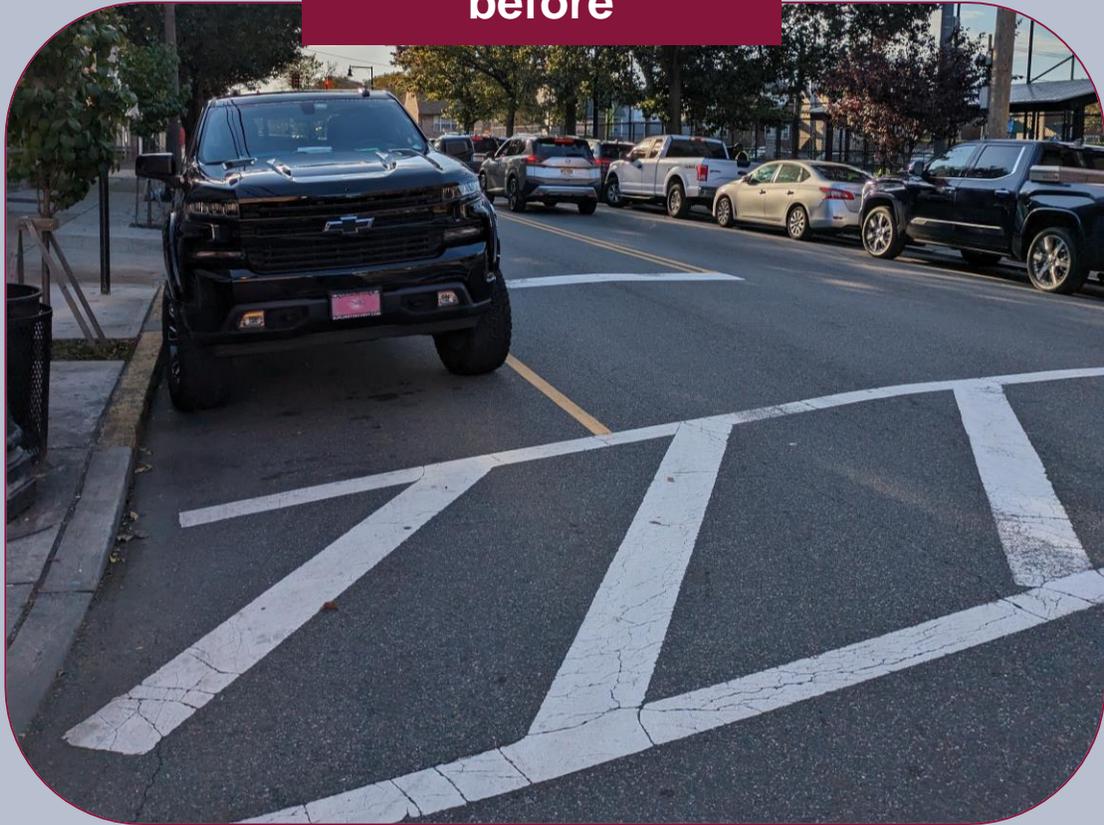
after



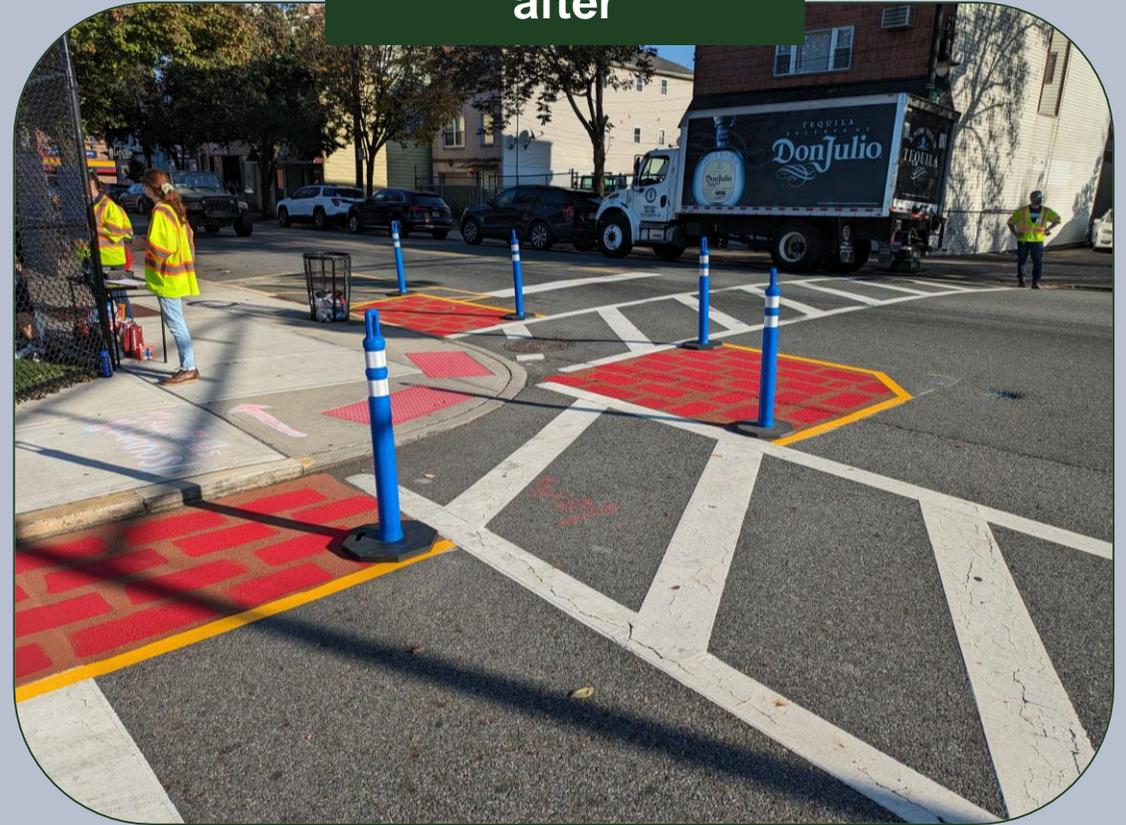
Harrison Complete Streets

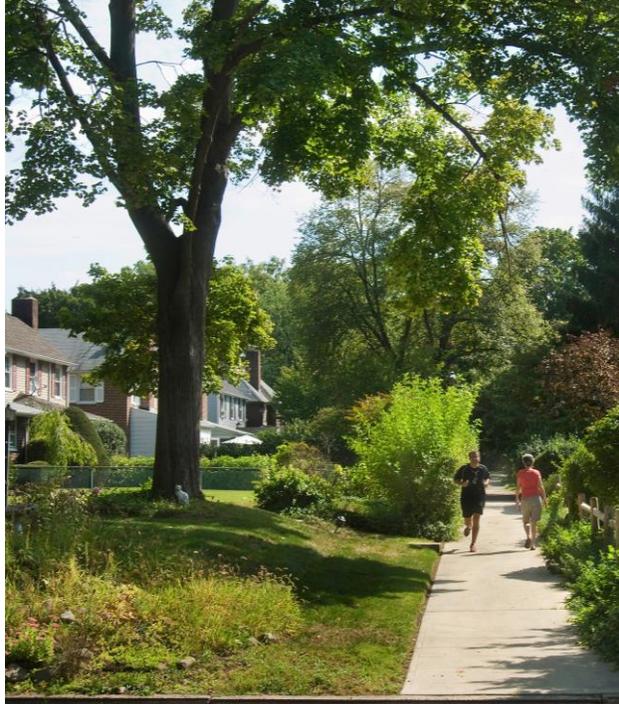
Harrison Ave & Hiram Place

before



after





Other Municipal Programs



Planning for
Emerging Centers



Vibrant
Communities
Initiative



Transit Hub
Planning

Thank you!

Jasmine Lawrence, *MCRP, LEED Green Associate*
Principal Planner, *TMA & Mobility Programs*
jlawrence@njtpa.org



Launching in 2025 !

South Jersey Demonstration Materials Lending Library

- To support communities in the SJTPO region

Photo	Item	Details/ Dimensions	Quantity Needed	Total Quantity	Item Cost
	Spray Chalk/Paint	White and Yellow	5 each	10	\$ 6.00
	Marking Chalk	White and Yellow	carton of 72	1	\$ 20.00
	Temporary Paint	White, Yellow, Green (5 gallon buckets)	2 each	6	\$ 50.00
	Chalk Line	100'	2	2	\$ 5.00
	Paint Striping Machine	N/A	1	1	\$ 150.00
	Paint Rollers	9"	20	20	\$ 5.00
	Paint Roller Covers	9"	20	20	\$ 3.00

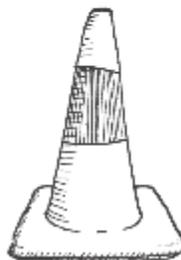
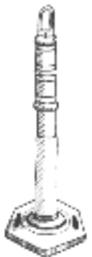
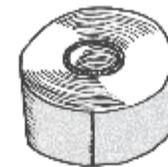
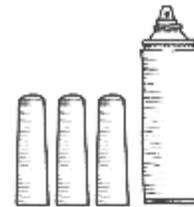
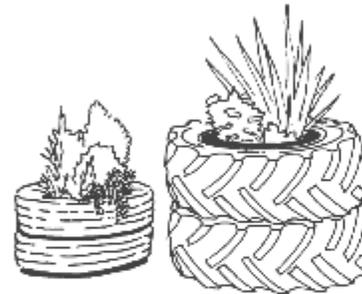


South Jersey
Transportation
Planning Organization



Building a library?

tacticalurbanismguide.com



TACTICAL URBANIST'S GUIDE TO MATERIALS AND DESIGN **VERSION 1.0**

DECEMBER 2016 | CREATED BY THE STREET PLANS COLLABORATIVE, WITH FUNDING FROM THE JOHN S. AND JAMES L. KNIGHT FOUNDATION

Voorhees Town Center to PATCO Ashland Station Traffic Calming Demo Project



Green Ridge Neighborhood

Constructed in the 50s

Nearby destinations:

- Ashland PATCO Station
- Voorhees Town Center
- Osage Elementary School
- Echelon Neighborhood
 - EJ Community

Issues:

- Speeding
- Wide streets
- Confusing intersections
 - Very little traffic control
- Not stopping at crosswalks





Results

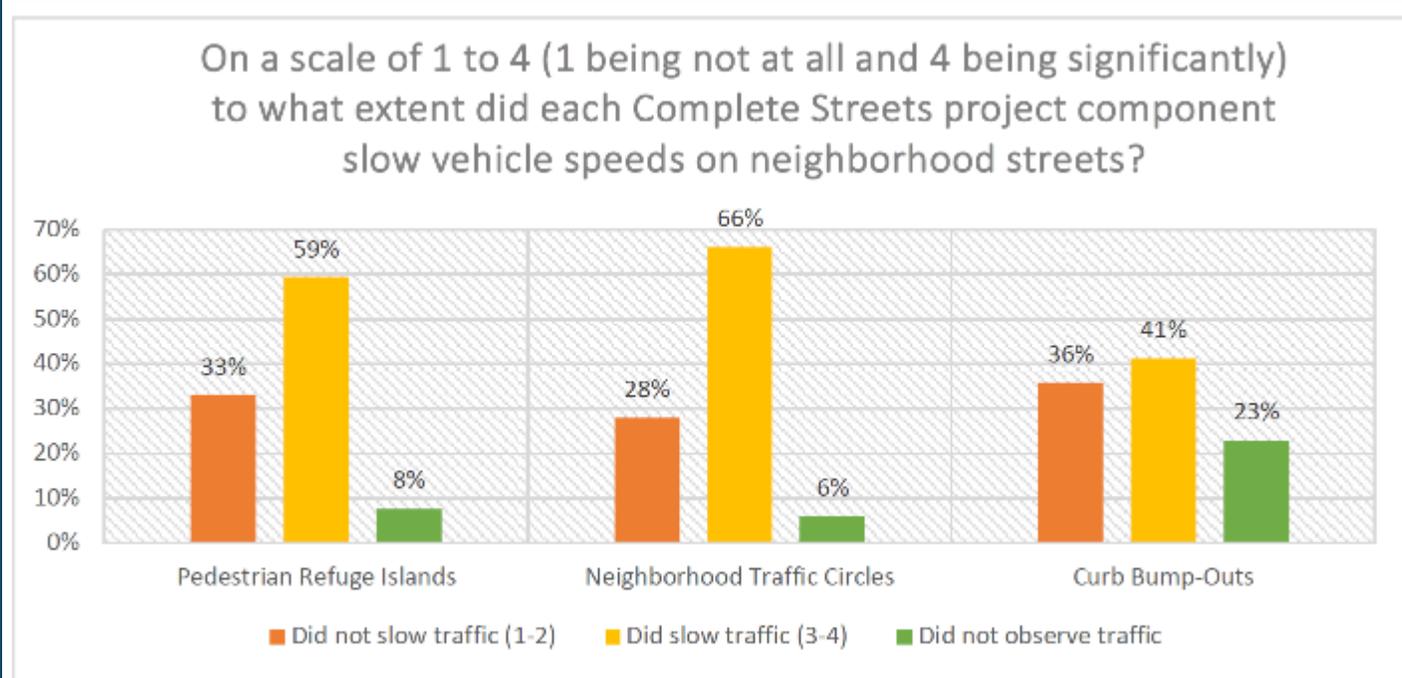


Figure 6: Effect on Vehicle Speeds

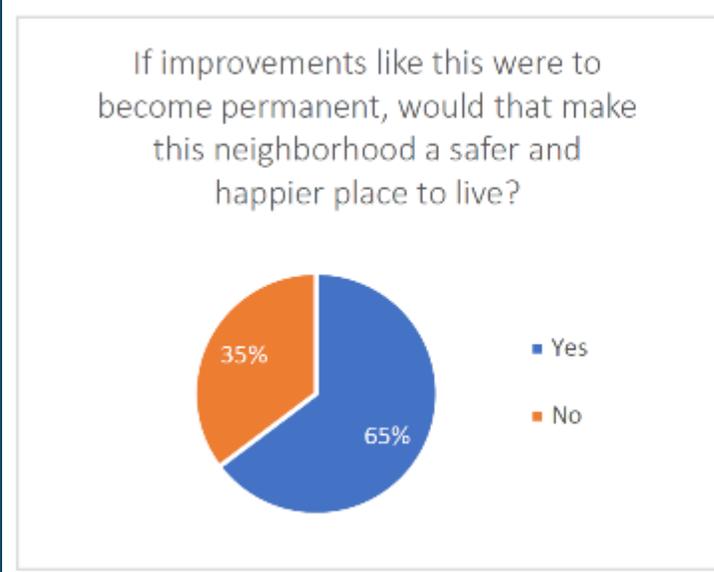


Figure 7: Safer and Happier Place to Live

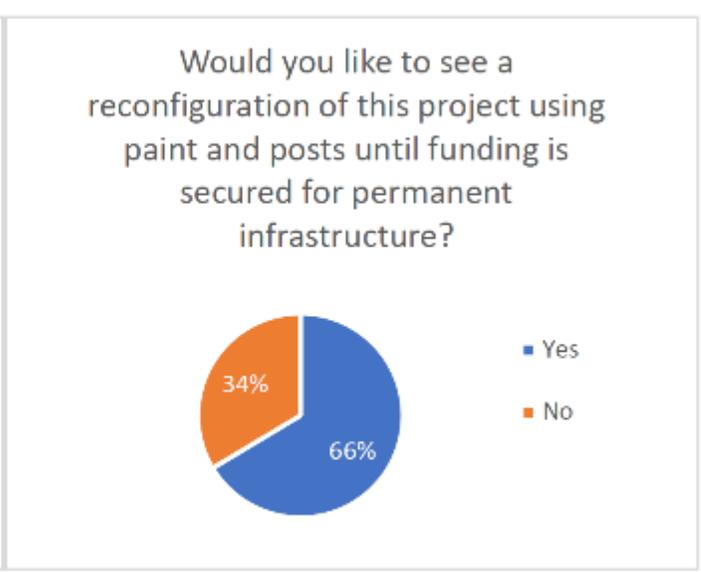


Figure 8: Pilot Project

Collingswood Demonstration Projects



- Curb extensions
- Raingarden

- Bike boulevard
- Curb extensions
- Raingarden

- Sharrows
- Signage

- Curb extensions
- New crosswalk

- Two-way protected bike lane

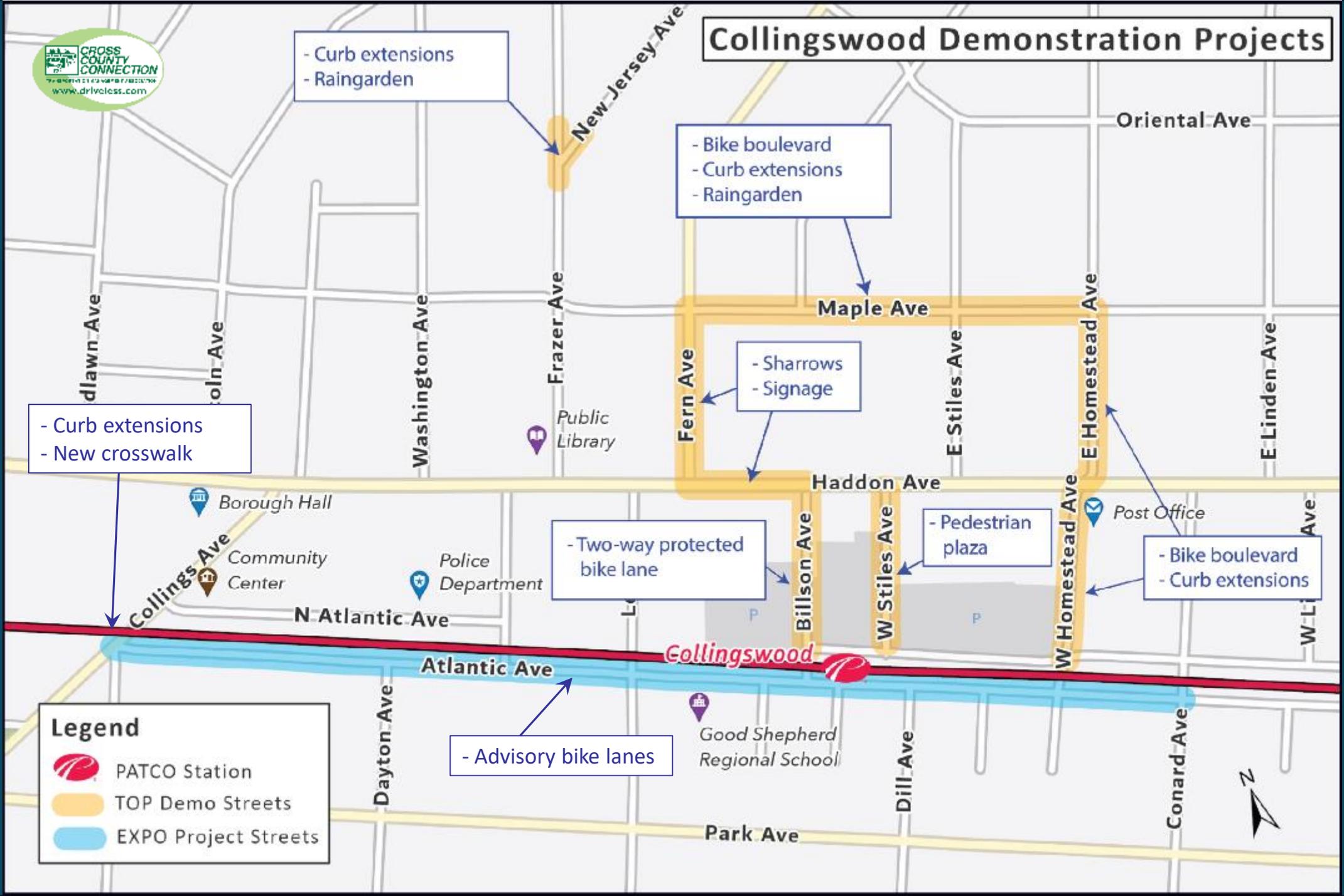
- Pedestrian plaza

- Bike boulevard
- Curb extensions

- Advisory bike lanes

Legend

- PATCO Station
- TOP Demo Streets
- EXPO Project Streets



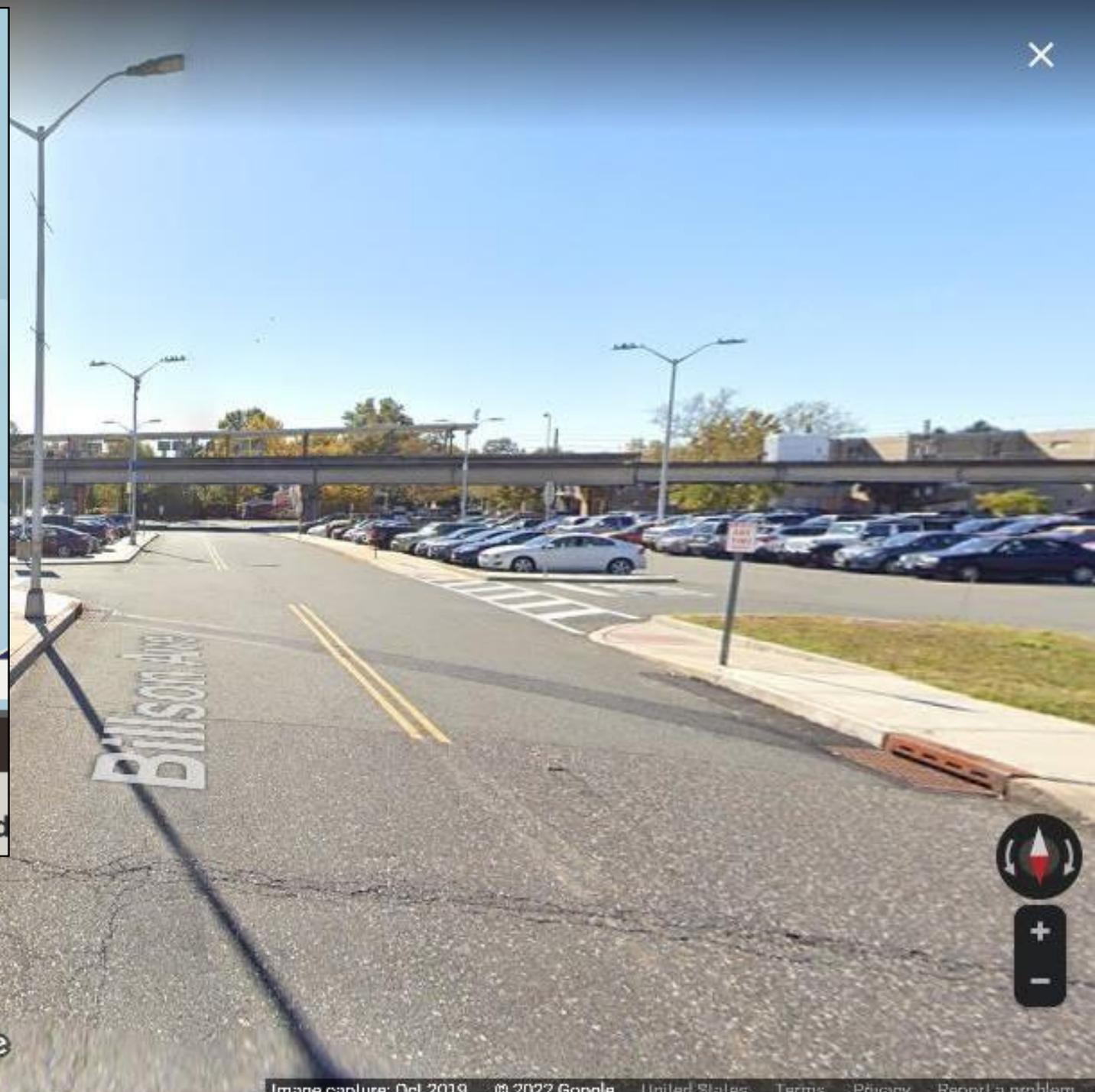
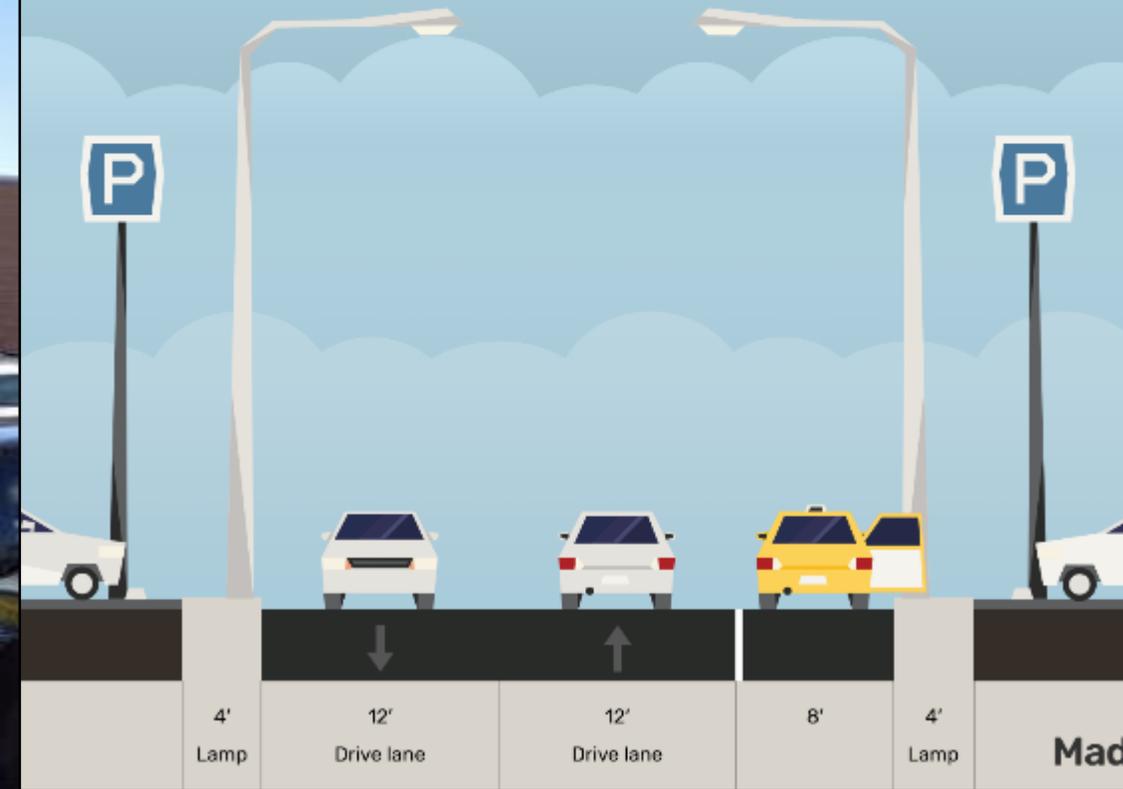
“Raingardens”



Billson Ave Protected Bike Lanes

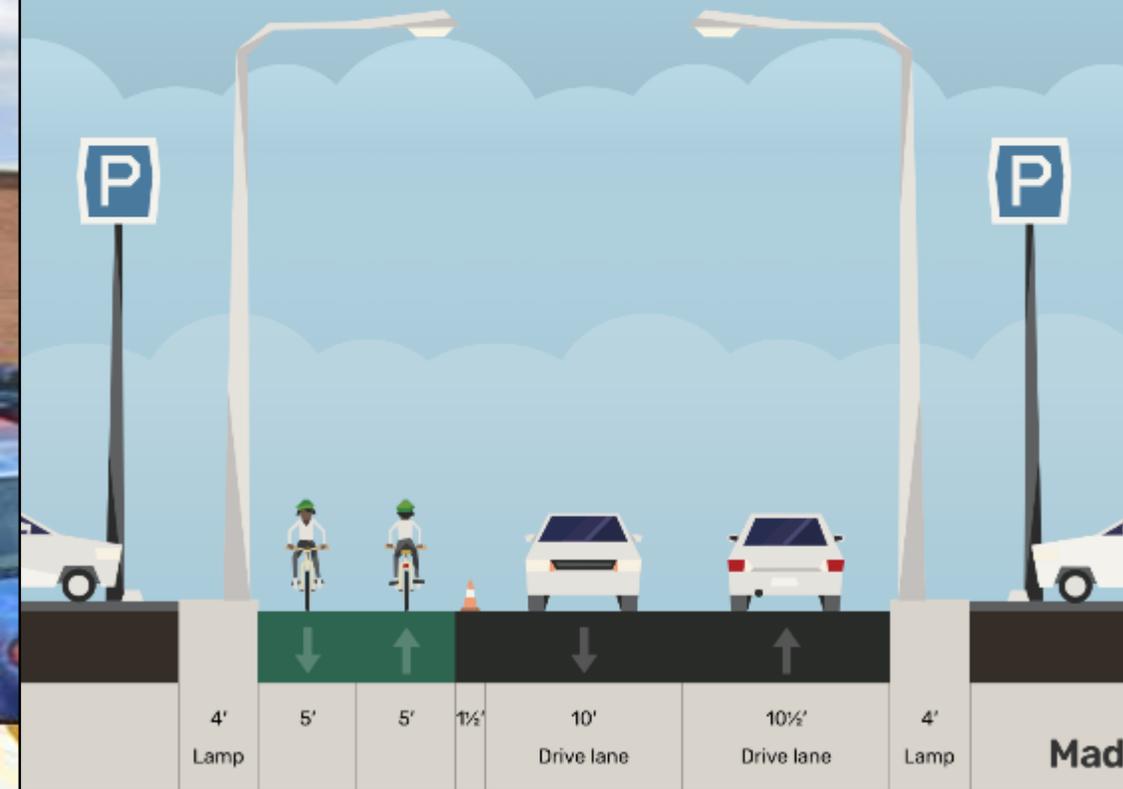


Billson Ave before



Google

Billson Ave plan



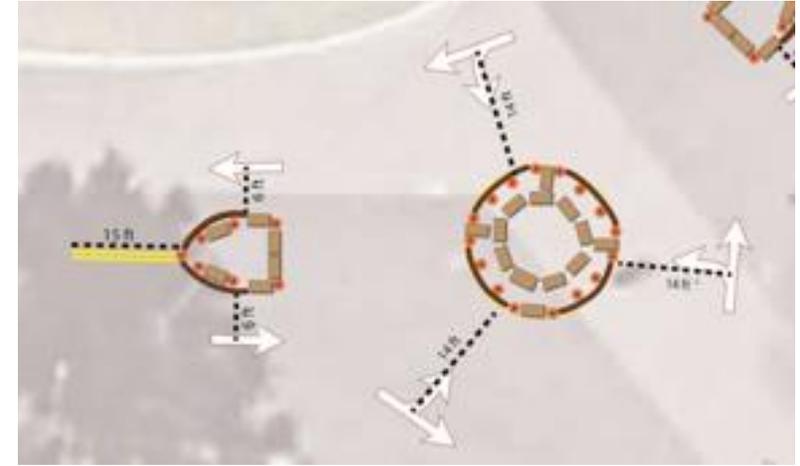
Google

Design

- Review standards
 - MUTCD
 - AASHTO
 - NACTO
 - NJDOT Complete Streets Design Guide
- Measure! Measure! Measure!
- Engineer review
- Chalk it out



*NJDOT
Design
Guide*





**CROSS
COUNTY
CONNECTION**

TRANSPORTATION MANAGEMENT ASSOCIATION

www.driveless.com

Patrick Farley, AICP, PP

Program Director

Cross County Connection TMA

farley@driveless.com

(856) 596-8228



SUSTAINABILITY SUMMIT 1



Quick Build Complete Streets Projects in NJ

Lisa Lee, Director of
Sustainability, EZ Ride

May 9, 2025





Community Case Studies



Community champions can be from an array of different groups



Green Teams



Safety Coalitions



Schools



Traffic Police



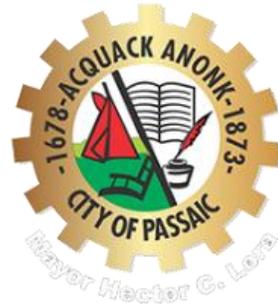
Community Case Studies



Communities where EZ Ride has conducted Demo Projects



West Orange



City of Passaic



Red Bank



City of Passaic Intersection Mural, Curb Extensions and High Visibility Crosswalks



- Artist contest via Mayor's FB
- Snacks, drinks and music
- Drone and photos
- Multi-day project
- HS Artist: friends & family



ezride Volunteer Paint Day
Día de Pintura para Voluntarios

Join Mayor Hector C. Lora, City of Passaic, and EZ Ride for a colorful community event.

Unete con Alcalde Hector C. Lora, la Ciudad de Passaic, y EZ Ride para un colorido evento comunitario.

APRIL 20th, 2024
Columbia Avenue & Monroe Street
8am-5pm

Unase a nosotros para un día de pintura voluntario lleno de diversión para hacer esta intersección hermosa, más segura y para apoyar a nuestra artista local, Angélica Otero Vargas. Música, bocadillos y agua estarán disponibles. Por favor regístrate abajo.

Join us for a fun-filled Volunteer Paint Day to make this intersection beautiful, safer and to support our local artist, Angélica Otero Vargas. Music, snacks, and water will be available. Please register below.

Para más información, visita www.ezride.com o llama al 973-261-1234. Para más información, visita www.ezride.com o llama al 973-261-1234.

City of Passaic Asphalt Art Project Survey

Mayor Hector C. Lora invites you to share your thoughts! We welcome your feedback on the new art and safety measures at Monroe St. & Columbia Ave.

Project Features

- Intersection Mural
- High Visibility Crosswalks
- Painted Curbs & Curb Extensions
- Reflective Delineators to prevent illegal parking

Benefits

- Reduced Vehicle Speed
- Shortened Crosswalks
- Protected Street Corners
- Civic Engagement
- Community Pride

Scan Our Survey!

Partners & Organizations



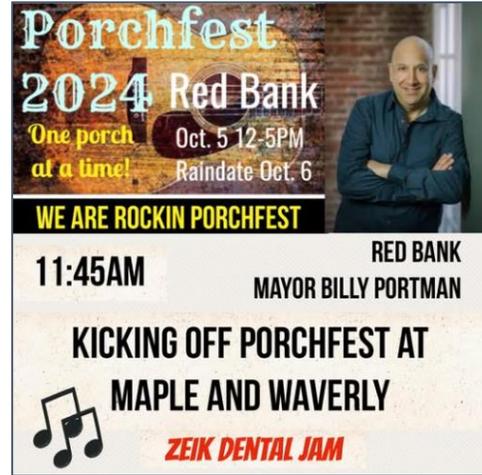


Red Bank PorchFest Bike Lane

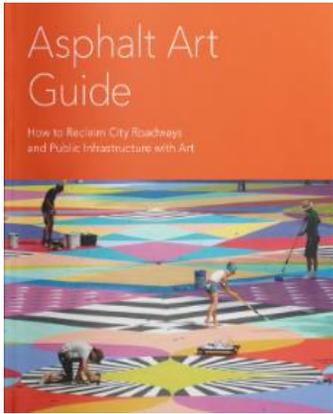


Annual fall music event

- Green Team
- Bike lanes & sharrows
- Bike vs. walk/drive
- Safer, healthier, less traffic, better air quality
- Order semi-permanent paint to go with striper



Resource Ideas



- Guides:
 - Bloomberg Asphalt Art: <https://asphaltart.bloomberg.org/guide/>
 - Tactical Urbanism: <https://tacticalurbanismguide.com/>
 - Safety Study: <https://assets.bbhub.io/dotorg/sites/43/2022/04/Asphalt-Art-Safety-Study.pdf>
 - Common Metrics: <https://asphaltart.bloomberg.org/common-metrics/>
- DPW: paint, line strippers
- NJTPA /TMA
- Ask local college to do a study for free
- Harbor Freight/Home Depot/Sherwin-Williams
 - Shark Grip and Sealer
- Delineators, planters, hay bales
- Make your own stencil - cardboard, tarps
- Takeout containers, tray liners, sales, NP discounts

Impact & Lessons Learned

- Involve the community & collect emails for survey
- Advertise street closure in advance - share why & what
- Short surveys to get input before during, and after
- Plan, plan, and educate about benefits
- Supply station & coordinator
- Power wash road in advance so paint adheres
- Base coat, multiple coats & seal. Dry 24-48 hrs > no traffic
- Designs in high-traffic areas won't last
- Detailed design > small brushes, large design > large rollers
- Avoid spring rain - road must be dry before, during and after





SUSTAINABILITY SUMMIT

10



Thank You!

Lisa Lee,

LLee@ezride.org

201-939-4242, ext. 123



RUTGERS

UNIVERSITY | NEW BRUNSWICK

Temporary Demonstrations Outreach and Evaluation

James Sinclair

May 9, 2025

Empower Residents

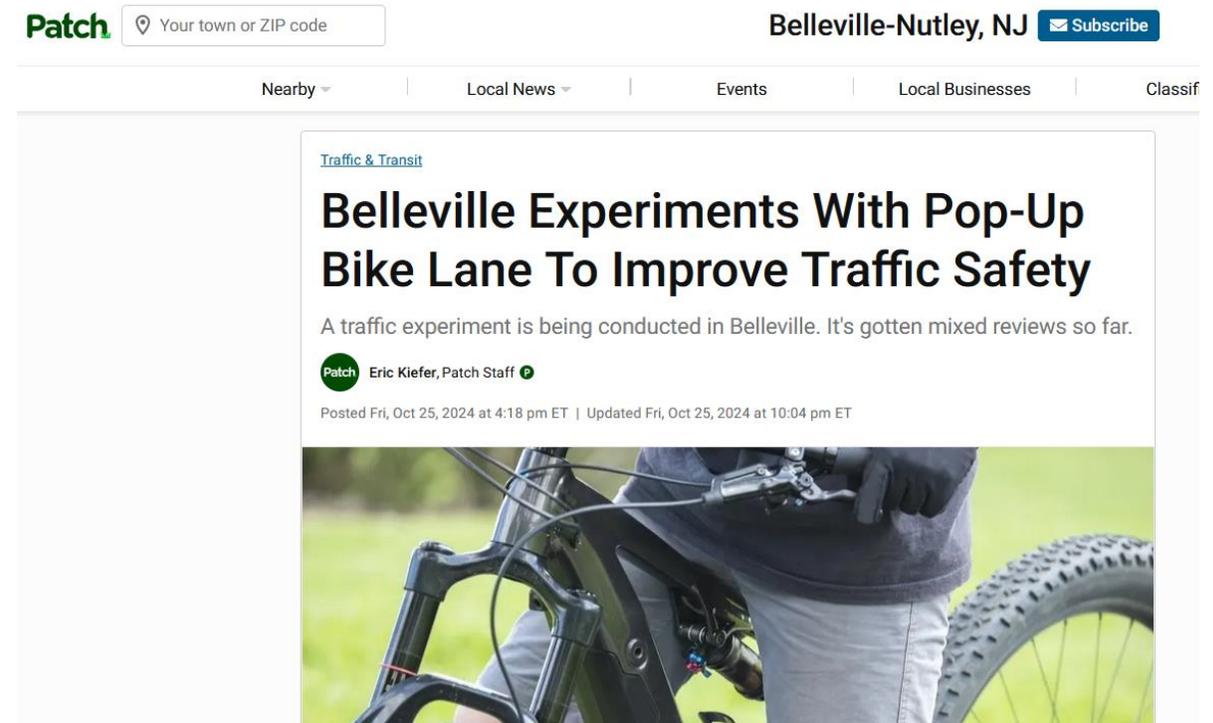
- Build interest in planning
- Start at the local level
- It's ok to try things!



Outreach forms

- Flyers, hand-delivered to neighbors
- Emails + newsletters from municipality and school
- Social media
- Local media

- ...but we can never reach everyone



DIVISION AVENUE BICYCLE PATH DEMONSTRATION

Starting October 24, 2024

Belleville wants your input on making Division Avenue safer!

Belleville Township is working on making it safer to walk and bicycle to Belleville High School. The Township will be showcasing a temporary bicycle path from October 24 to November 1 and wants to know what **YOU** think!

What is a Temporary Demonstration Project?

A Temporary Demonstration Project is a low-cost way to test out new street designs and get community input before investing in permanent changes. It allows residents and students to see and use the temporary infrastructure instead of relying only on concept images or descriptions.

What will Belleville be testing?

Belleville will be testing a two-way protected bicycle path between Nolton Street and Belleville High School along Division Avenue.

Protected bicycle paths provide a dedicated space for bicyclists to ride, away from motor vehicles and off sidewalks. Separating bicyclists and motor vehicles reduces conflicts that can arise due to the differences in their travel speeds. Bicycle paths have also been found to reduce motor vehicle speeds, increasing safety for all users. Pedestrians may also feel more comfortable with motor vehicle traffic placed further away from the sidewalk.

I live on Division Avenue. Will access to my home change?

Access in and out of your driveway will be maintained. A temporary no parking restriction will be in place during the demonstration period between Nolton Street and Belleville High School. Residents will be permitted to park overnight in the high school parking lot by the tennis courts.

How will the Township make the changes?

As part of this demonstration, temporary paint and signs will be added to delineate the two-way protected bike lane. In addition, plastic posts will be placed to help drivers understand the new traffic pattern.

How long will the demonstration be in place?

The changes will be in place from Thursday, October 24 to Friday, November 1.

How will success be measured?

The team's evaluation will include speed studies, direct observations, and feedback from residents. An online survey will be conducted once the changes are in place.

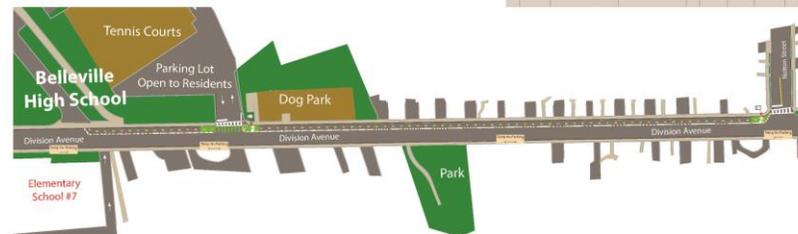
Why is this demonstration happening?

Belleville applied to the Complete Streets Technical Assistance program, a partnership of Rutgers-Voorhees Transportation Center, Sustainable Jersey, and the North Jersey Transportation Planning Authority (NJTPA), to develop a Bicycle Network Plan for the high school neighborhood. The Plan will identify ideas to improve roadway safety around the school and to encourage students and residents to walk and bicycle to the school campus, instead of driving. Shifting school trips away from motor vehicles can help reduce neighborhood congestion and increase quality of life for residents. The demonstration will help Belleville and the project team learn more about transportation needs in the school neighborhood.



Temporary Bicycle Path

A two-way bicycle path, marked with temporary paint and movable plastic posts will be installed on the east side of Division Avenue, between Nolton Street and Belleville High School. Parking is currently permitted only on the west side of Division Avenue. During the demonstration, parking will be temporarily prohibited between Nolton Street and the high school. Residents are invited to use the high school parking lot by the tennis courts for overnight parking.



Related Events

During the demonstration, EZ Ride Transportation Management Association, Belleville High School, and the Township of Belleville will be hosting a Bike to School Day event on October 30. In addition, a Safety Training class will be held at the high school on November 1 for students.

Project Toolkit

Project materials are being provided by the NJTPA Complete Streets Demonstration Library. The NJTPA created the library to help communities interested in trying out bicycle lanes, corner "bump-outs," and other safety, placemaking, and traffic calming features. To learn more, visit njtpa.org/demolibrary.

PROJECT SCHEDULE

- October 24 - Demonstration Starts
- October 25 - Online Survey Opens
- October 26 - Halloween Spectacular on the Front Lawn of Belleville High School
- October 30 - Bike to School Day led by the Belleville Police, Borderline Bikes, and EZ Ride
- November 1 - Bike, E-Bike, and E-Scooter Safety Training for High School Students by EZ Ride
- November 1 (evening) - Demonstration Ends

Public Input

Once the demonstration is in place, a questionnaire will be made available at <https://go.rutgers.edu/belleville-survey> or by using this QR code.



Questions?

For questions about this project, contact Brian Banda, Township Manager, at 973-450-3407 and bbanda@bellevillenj.org or Matthew Paladino, Belleville School District, at 973-450-3500 and matthew.paladino@bellevilleschools.org.



Township of Belleville
New Jersey



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

In Person Questionnaire



This effort is part of the Complete Streets Technical Assistance Program, which is a collaborative venture between Sustainable Jersey (SJ), the Voorhees Transportation Center at Rutgers University (VTC), and the North Jersey Transportation Planning Authority (NJTPA). Funded by the NJTPA, the program is designed to support municipal government efforts to implement complete streets.

DRS JAMES PARKER BLVD AND S BRIDGE AVE Tactical Urbanism Demonstration Project

Please circle your response for each question.

1. What brings you to Red Bank? Do you:

Live here

Work here

Visit here

2. How often do you visit this intersection?

Several times per week

Once per week

Less than once per week

3. How do you usually get to this intersection?

Walking

Driving

Bicycling

4. Compared to the way the intersection was before, do the new changes make it:

More attractive

Less attractive

No difference

5. With the changes, do you want to walk to this area more or less often?

More often

Less often

No difference

6. With the changes, do you feel safer crossing Drs James Parker Blvd?

More safe

Less safe

No difference

7. With the addition of bicycle parking, will you bike to Drs James Parker Blvd?

Yes

Possibly

No

Please fill in your answer on the space provided. Additional space for comments may be found on the back of the survey.

What do you like most about the changes?

8.

Thank you for your time!

How would you rate walking (pedestrian) safety of Division Avenue **before** the demonstration:

Unsafe

Neutral

Safe

Move slider to select your answer



How would you rate bicycling safety of Division Avenue **before** the demonstration:

Unsafe

Neutral

Safe

Move slider to select your answer



Online Questionnaire

Compared to how Division Avenue was before the demonstration, do you think the temporary bicycle path made the roadway:

	More safe	No change	Less safe	Did not experience before change
For pedestrians	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
For bicyclists	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
For drivers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Use this space if you would like to tell us how you feel the temporary bicycle path has, or has not, impacted safety:

Aesthetics



Michael Melham ✓

about 7 months ago



I'm torn between horrified and mortified at the temporary pop up bike lanes on Division Ave near the HS.

For me, this nightmare started earlier today when a resident asked me a question on social media, and I had no idea what they were referring to. Then the photos came in... and what I saw was unacceptable.

For those who know me or have followed the progress we've made over the last six years, you know this isn't the Belleville we strive to be. As Mayor, I demand excellence... See more



“Do you have any ideas on improving roadway safety around Belleville High School that you would like to share?”

- 1. Enforcement (both speeding and illegal parking)**
- 2. Speed bumps**
- 3. More stop signs**
- 4. Flashing signs at crosswalks**
- 5. More crossing guards**

“More police presence is needed. We need to stop allowing parents to double and triple park around the schools so that they can drop off their children.”

“Cops need to ticket cars that just park around schools, the traffic situation is unreal during start and release from school.”

“Traffic enforcement. Parking violations and speeding are horrendous in that area. Total lawlessness.”

Task	Description
Finalize Concept Design and Materials	Review concepts and provide feedback
	Edit concepts based on feedback
	Create draft materials list
	Request lending library materials if needed
Pre-installation outreach	Create draft flyer and information for residents
	Review flyer and provide feedback
	Finalize flyer, survey and info
	Distribute flyer to residents and stakeholders
Installation	Pre-installation meeting with team to address questions
	Municipal installation – manage roadway closures and make roadway changes
Post-implementation Data	Police collect speed data
	Survey shared with residents
Walkable Community Workshop	Flyer to promote workshop shared with community
	Host workshop



GRANTS & UPCOMING EVENTS

SUSTAINABLE COMMUNITIES GRANT PROGRAM WEBINAR

Monday, May 19, 2025, 1:00pm-2:00pm

Register: bit.ly/2025SCGPWebinar

Application Deadline: Monday, June 30, 2025

HOW TO START A MUNICIPAL COMMUNITY SOLAR AUTOMATIC ENROLLMENT PROGRAM WEBINAR

Wednesday, May 21, 2025, 1:00pm-2:30pm

Register: bit.ly/4jgkUau

NORTH JERSEY'S TRANSPORTATION PLANNING AUTHORITY'S PROGRAMS FOR MUNICIPALITIES WEBINAR

Wednesday, May 28, 2025, 11:00am-12:00pm

Register: bit.ly/4m7QjOh

TRI-COUNTY SUSTAINABILITY GENERAL MEETING

Wednesday, May 28, 2025, 7:00pm-8:00pm

Register: bit.ly/Tri-CountySustainability

BERGEN COUNTY SUSTAINABILITY HUB MEETING

Wednesday, May 28, 2025, 7:00pm-8:00pm

Allendale Community Center, 210 W Crescent Ave, Allendale, NJ

TREES FOR SCHOOLS: TREE-PLANTING GRANTS

Learn More & Apply: bit.ly/TreesforSchools

Application Deadline: Tuesday, May 13, 2025



FOR MORE INFORMATION AND TO REGISTER FOR AN UPCOMING EVENT VISIT:



Municipalities:
bit.ly/SJMunicipalEvents



Schools:
bit.ly/SJSchoolsEvents

Program Underwriters



Corporate Sponsors

