



NJDOT Bicycle and Pedestrian Planning Assistance Program





Elise Bremer-Nei, AICP/PP
Bicycle and Pedestrian Coordinator
New Jersey Department of Transportation
elise.bremer-nei@dot.nj.gov





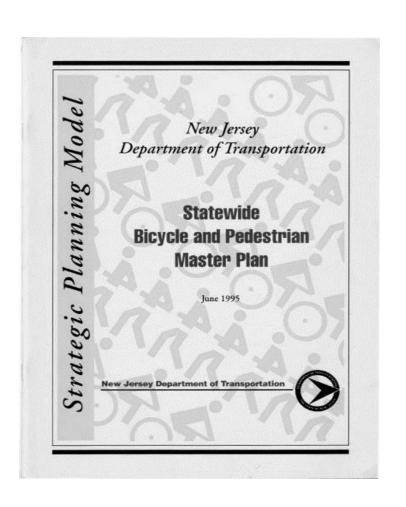


NJDOT Office of Bicycle and Pedestrian Programs

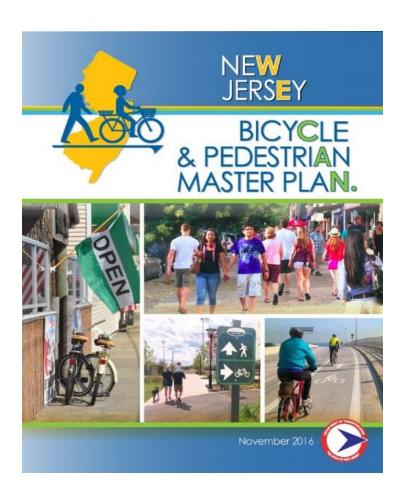
- Began with the Intermodal Surface Transportation Efficiency Act of 1991
- Interacts with divisions and bureaus across the Department, as well as other agencies and organizations
- Programs funded through the Federal Highway Administration
- Located within the Division of Safety Programs and Transportation Data



New Jersey Bicycle and Pedestrian Master Plan







NJ Bicycle and Pedestrian Advisory Council





Subcommittees

- Design
- Safety
- Policy





STATE OF NEW JERSEY

MOTOR VEHICLE COMMISSION

















NJDOT Bicycle and Pedestrian Programs

- NJ Bike/Ped Master Plan
- Pedestrian Safety Management System
- NJ Statewide Bicycle Map
- Local Bike/Ped Planning Assistance
- NJ Safe Routes to School Program
- NJ Safe Routes Resource Center
- NJ Bike/Ped Resource Center
- NJ SHSP Bike/Ped Action Teams
- Complete Streets Trainings
- Legislation/Policy Reviews
- Trail and Greenway Planning







Consultant Resources







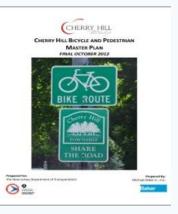


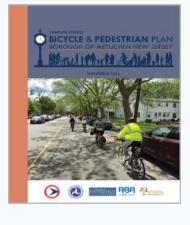


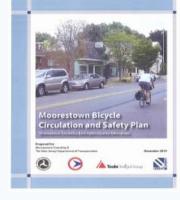


NJDOT LOCAL BICYCLE & PEDESTRIAN ASSISTANCE PROGRAM



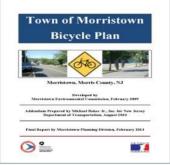






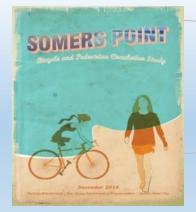


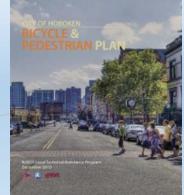














Local Bicycle and Pedestrian Planning Assistance







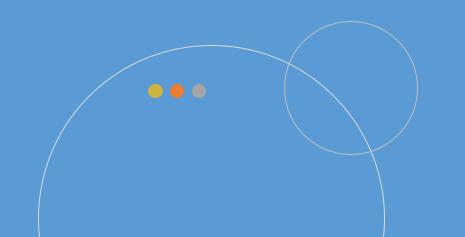


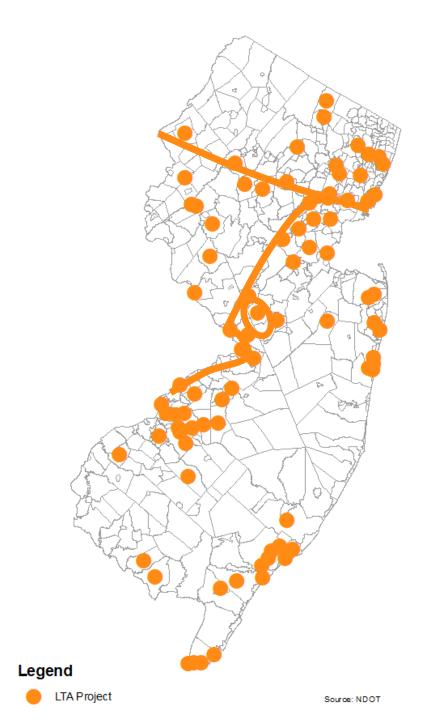






LOCAL PLANNING ASSISTANCE ACROSS THE STATE







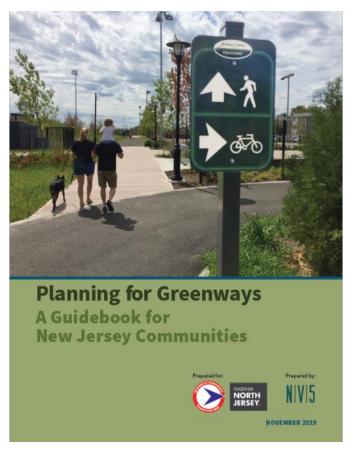
NJDOT Office of Bicycle and Pedestrian Planning



Range of Local Planning Assistance Projects



- Municipal B/P Plans
- Active Transportation Plans
- Corridor Safety Studies
- Vision Zero Plans
- Traffic Calming Studies
- Complete Streets Plans
- Statewide Guides & Maps
- Greenway Routing Studies
- Training



Greenway Guide

https://togethernorthjersey.com/wp-content/uploads/2019/12/Planning-for-Greenways-Guidebook-2019.pdf

VISION ZERO AND SAFETY

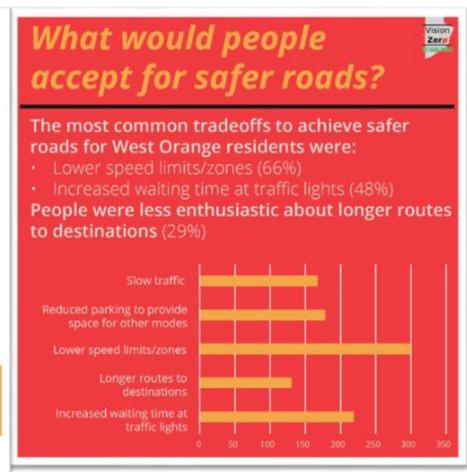


WEST ORANGE VISION ZERO ACTION PLAN



Vision Zero Action Plan (2023-2030)
Strategies and Actions to Reduce Traffic Deaths and
Serious Injuries to Zero
Navember 2023 Traff













SAFE STREETS AND ROADS FOR ALL



WEST ORANGE VISION ZERO ACTION PLAN



RESOLUTION

WHEREAS, on September 14, 2021, the Township Council for the Township of West
Orange (the "Township") adopted Resolution #238-21 authorizing the establishment of a Vision
Zero Task Force to prepare an Action Plan to eliminate all traffic-related deaths and serious
injuries, while increasing safety, health and mobility for all; and

WHEREAS, the Vision Zero Task Force has prepared and insued a Vision Zero Action
Plan outlining strategies and actions to reduce traffic deaths and serious injuries within the
Township (the "Action Plan"), annexed hereto as Exhibit "A;" and

WHEREAS, the Vision Zero Task Force has also prepared and issued a Vision Zero Toolkit, annexed hereto as Exhibit "B," providing information and resources to help engage the community within the Township towards the goals articulated in the Action Plan;

WHEREAS, the Township reiterates its commitment to creating streets, corridors and intersections that safely accommodate all users of all ages and abilities; and

WHEREAS, the Action Plan provides data compiled from 2015 through 2021 which shows that within the Township: (i) more than two fatal motor vehicle crashes occur on an annual basis; (ii) seven pedestrian fatalities occur on an annual basis; (iii) twenty-eight motor vehicle crashes occur with server injuries; and (iv) three bicyclist and pedestrian accidents occur with severe injuries; and

WHEREAS, the Action Plan provides recommendations and countermeasures aimed at eliminating the number of fatalities and severe injuries for both motorists and pedestrians within the Township.

NOW, BE IT HEREBY RESOLVED, by the Township Council of the Township of West Orange that the Township hereby expresses resterates its support of the policies and S | S County Letter of Support for SS4A Application



- Top Corridors on the HIN
 - County (10)
 - Municipal (3)
- Systemwide application of measures along the HIN
 - Low-Cost Safety Treatments
 - Speed Management
 - Bike Network Development
 - Safe Routes to School
 - Pedestrian Safety Enhancements
- Education Initiatives

GOAL OF Local Planning Technical Assistance Program



PLANNING



DESIGN & IMPLEMENTATION

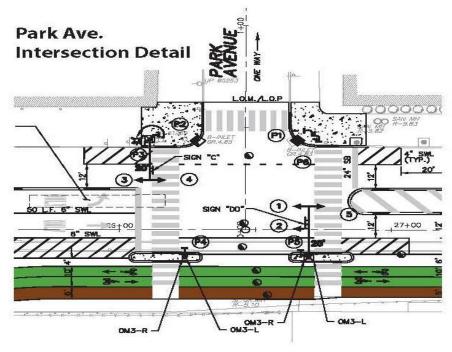


Pedestrian
& Bicycle
Planning Study

Planning Study

PRICE PRICE PROCEDURE P



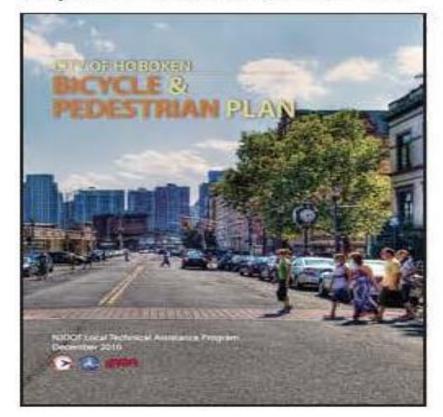


Bicycle & Pedestrian Master Plans



CITY OF HOBOKEN BICYCLE & PEDESTRIAN MASTER PLAN

Bicycle & Pedestrian Master Plan







Parking Day Demonstration Project

City of Hoboken launches curbside planning process (hobokennj.gov)

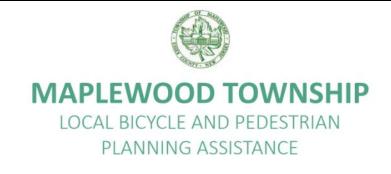
https://www.hobokennj. gov/news/mayor-bhalladelivers-keynoteatnational-association-ofcity-transportationofficials-conference

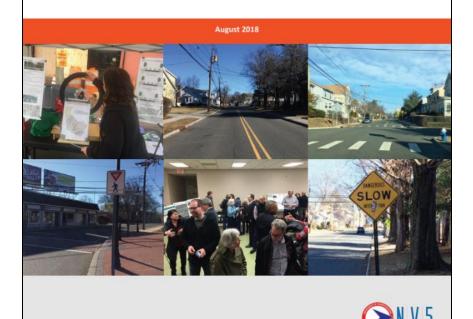


Washington Street – Complete Street Redesign

Bicycle & Pedestrian Master Plans







- 4 focus corridors
- Objectives
 - address traffic speeds
 - improve safety
 - reduce crashes
 - evaluate lighting levels
 - examine traffic calming policy
- Outcomes
 - Lighting assessment
 - Intersection design review
 - Planning level concepts with matrix (cost estimate, responsibility, timeline)

Planning Concept Burnett Avenue: Lexington Avenue & Tuscan Street

BURNETT AVENUE: LEXINGTON AVENUE & TUSCAN STREET

06/16/2018



Lexington Avenue / Tuscan Street				
15	Consider a full closure of Lexington Avenue with temporary/permeable barriers to limit conflicts due to inadequate visibility. The permeable closure will allow emergency vehicles to enter the roadway if needed.	Maplewood	1 to 2 years	\$500 - \$150,000
16	Complete the sidewalk network with curb ramps in front of the senior center and connect to DeHart park.	Maplewood	1 to 2 years	\$10,000 - \$15,000
17	Install high visibility crosswalks paired with an advance stop bar and stop for pedestrians sign for the mid-block crosswalk across Burnett Avenue to DeHart park.	Maplewood	6 months - 1 year	\$5,000 - \$7,500

Burnett Avenue, Lexington Avenue & Tuscan St

Before - 2018

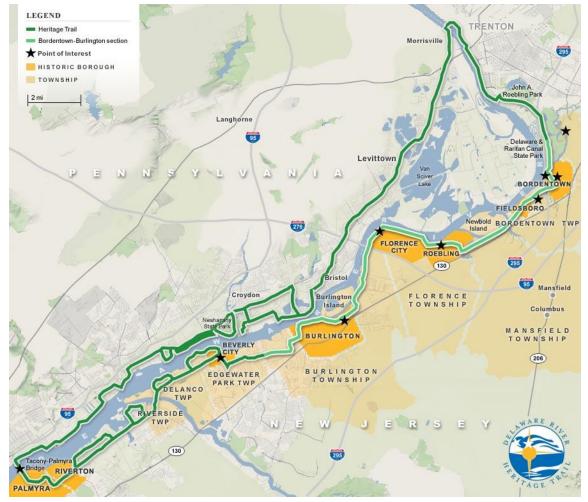
After - 2024







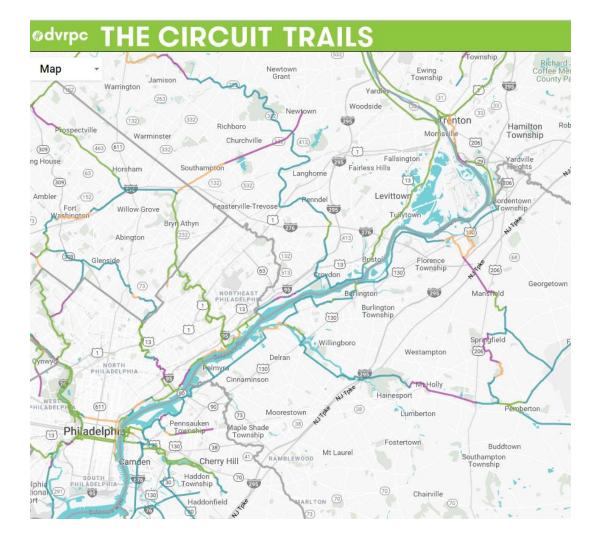
DELAWARE RIVER HERITAGE TRAIL







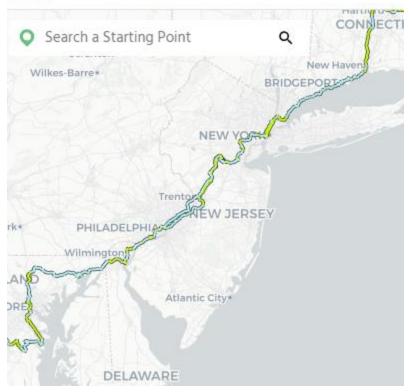
CIRCUIT TRAILS





EAST COAST GREENWAY

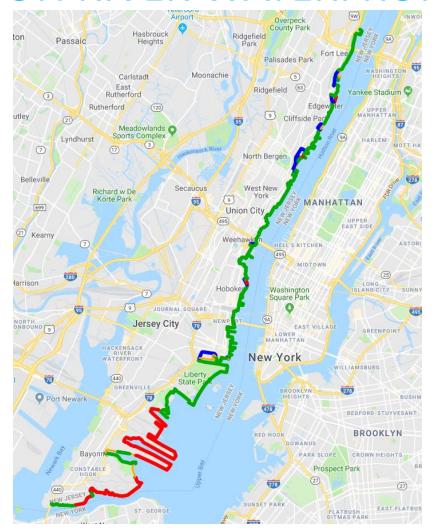








HUDSON RIVER WATERFRONT WALKWAY





Credit: http://hudsonriverwaterfront.org/map/map4.html

Implementation & Funding

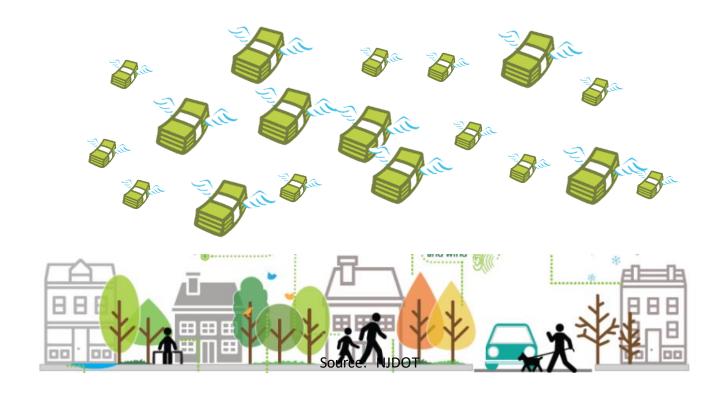


LOCAL PLANNING ASSISTANCE



TAP/SRTS \$\$\$\$

- Maplewood
- Metuchen
- Pemberton
- Clayton
- West Orange
- Montclair
- Elk Township



Lessons Learned



- Listen/ID Local Needs
- Inspire & Educate
- Find Local Champions
- Include All Users/All Abilities
- Involve Tech Experts
- Target Early Actions
- Conduct Demonstrations
- Track & Build on Success



Lessons Learned

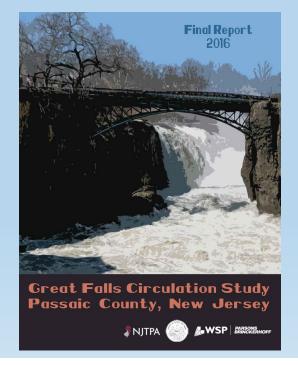








BIKENEWARK







CITY OF PATERSON, PASSAIC COUNTY, NEW JERSEY

JANUARY 2024









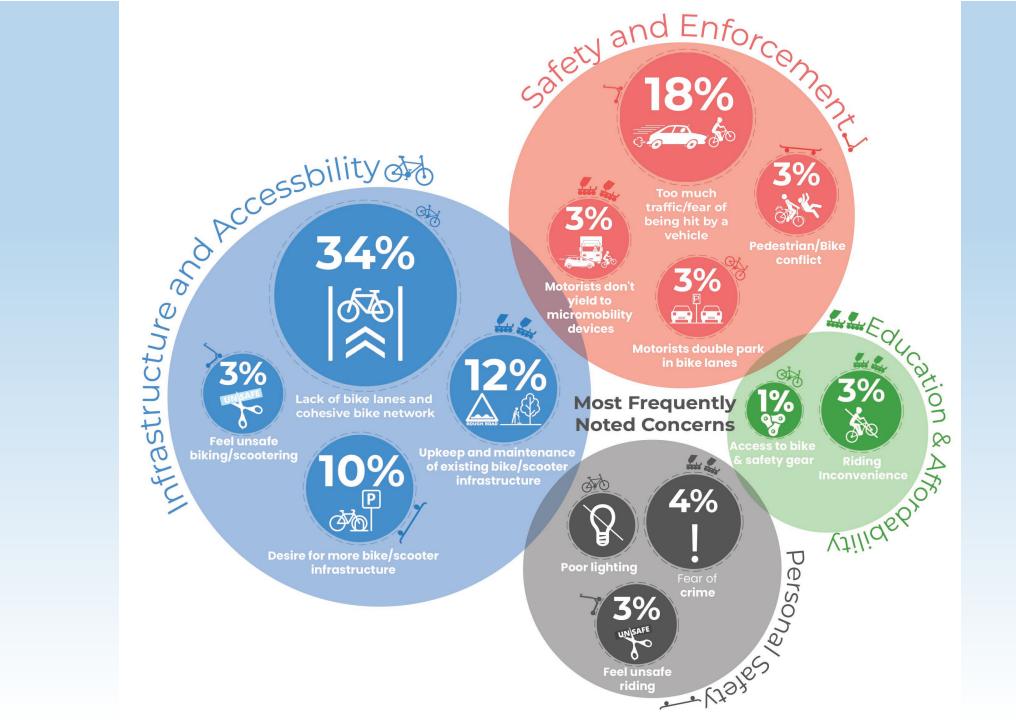






BIKEIRONBOUND

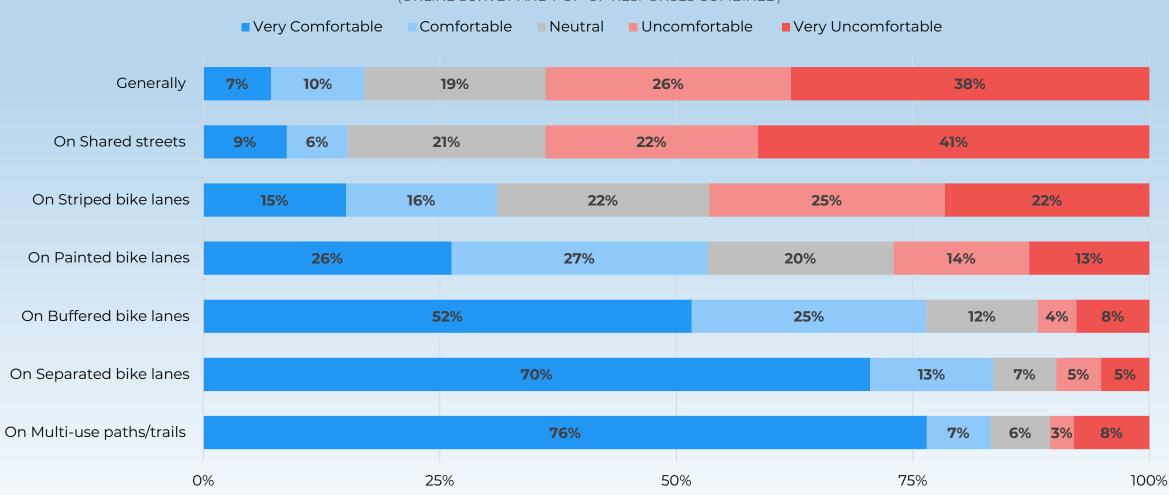
BICYCLE PLAN FOR THE CITY OF NEWARK

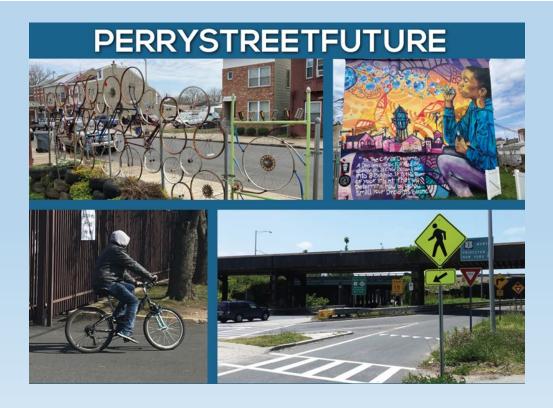


Safety & Comfort

HOW SAFE/COMFORTABLE DO YOU FEEL BIKING IN NEWARK?

(ONLINE SURVEY AND POP-UP RESPONSES COMBINED)





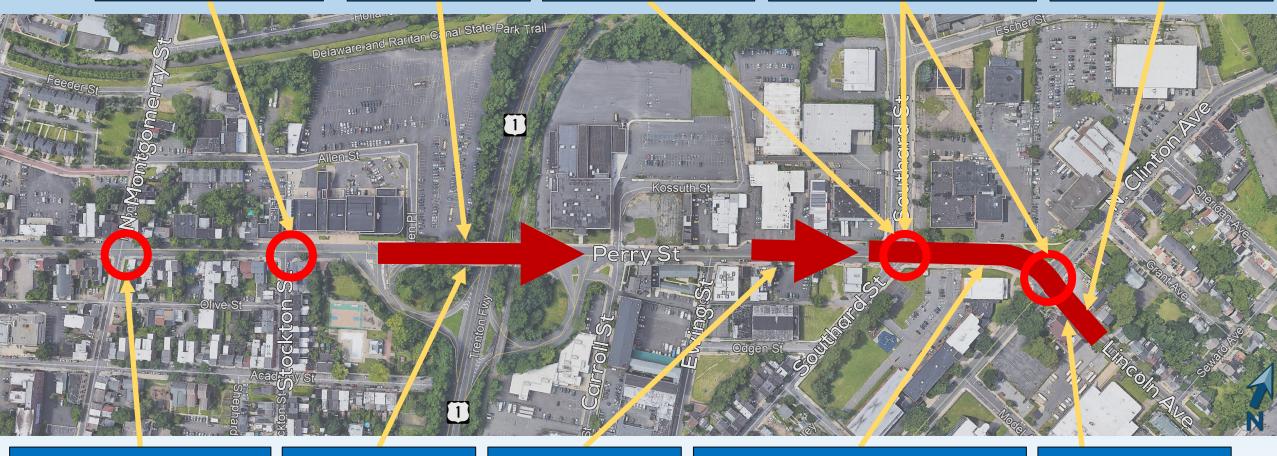




Rear End, Sideswipe, Angle crashes above Statewide average

Total Traffic Volume: 16,600 4 of the 9 total Pedestrian crashes in study area Read End, Sideswipe, Head On, Left Turn, Pedestrian crashes above Statewide average

Westbound Travel Speeds Excessive: 11% > 30 MPH



Wet Surface, Sideswipe, Head on, Parked vehicle crashes above Statewide average Eastbound Travel Speeds Excessive: 26% > 30 MPH Eastbound Travel
Speeds Excessive:
10% > 30 MPH

Highest Traffic Volume: 19,350 Highest Crash Rate: 21.6 per MVMT (Statewide Average = 4.0) Eastbound Travel Speeds Excessive: 12% > 30 MPH

I. Listening to the Community

- Trenton Cycling Revolution February 20, 2020
- Tucker Street Community Garden July 24
- Summer in the Garden @ Roberto Clemente Park August 6
- Briefing with Mayor Gusciora August
- Trenton Cyclovia & Art All Day September 19
- Capital City Community Coalition Briefing (4-Cs) January 21, 2021
- General mailing of project fact sheet and purpose
 - Local business, social services, day care, houses of worship, schools



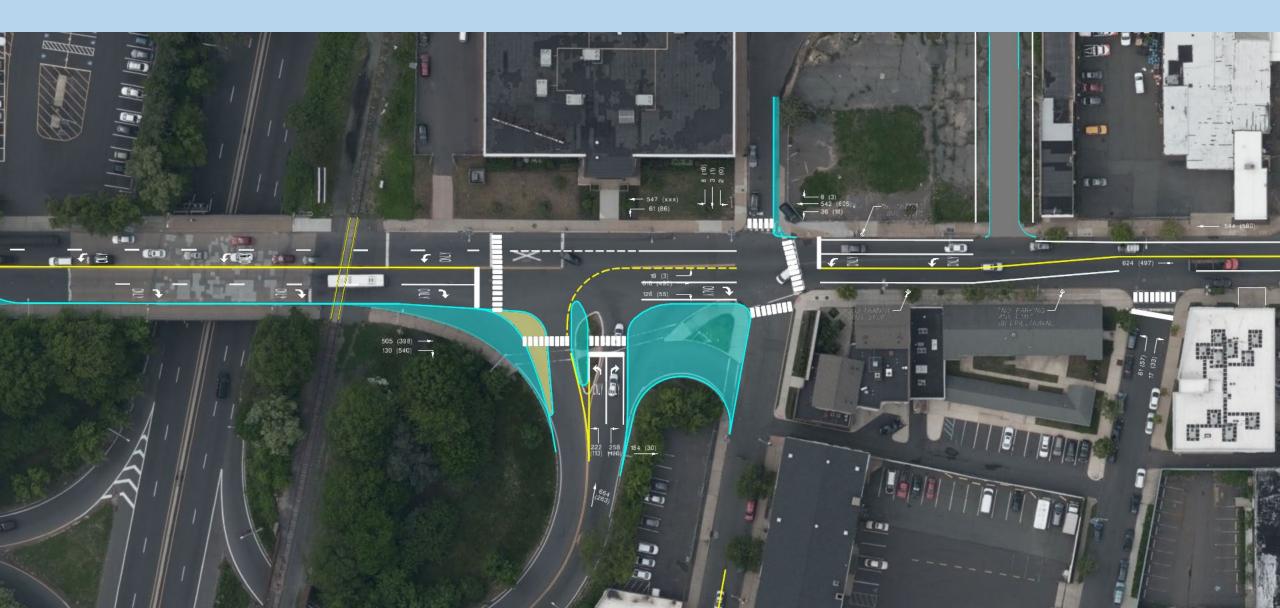




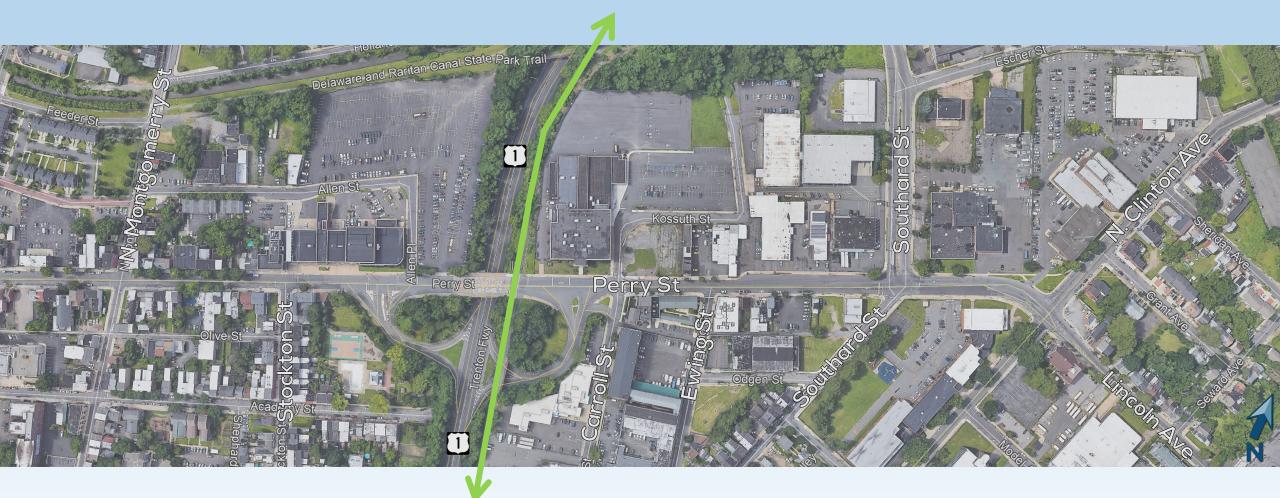




Close Ramp to Carroll Street, Signalize Intersection



Rail Corridor - Currently Not in Use











Off-Road Shared-Use Path D&R Tow Path to Trenton Station





BIKEPaterson

The First Bicycle Master Plan for the City of Paterson, New Jersey First Look: Proposed On-street Bike Network October 25, 2021











City of Paterson

National Night Out August 3, 2021







City of Paterson Ride Out for Unity





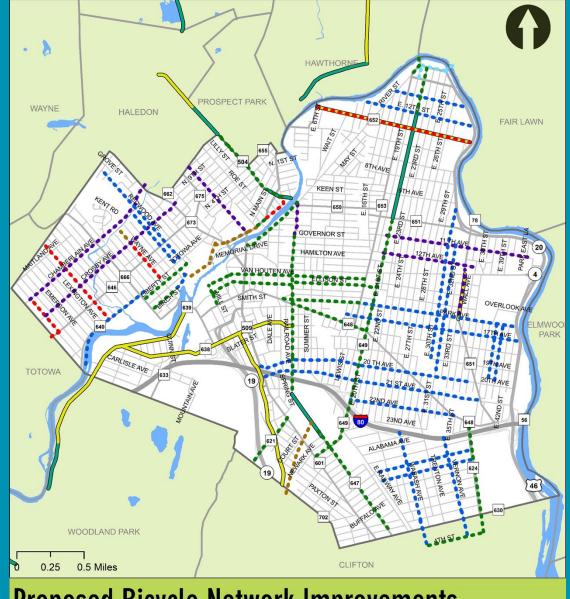




Proposed Bicycle Network

 City of Paterson awarded \$500,000 SS4A Grant

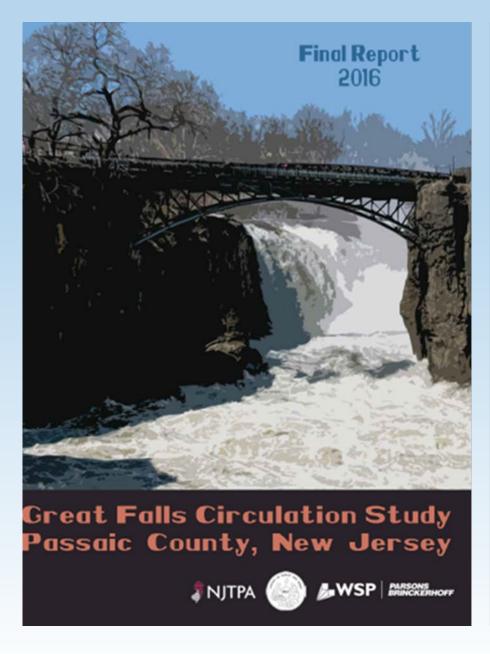


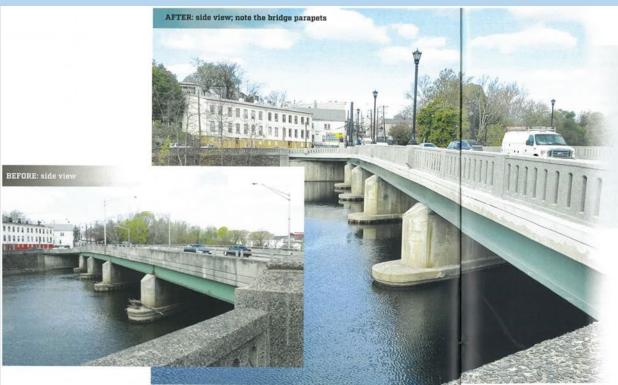


Proposed Bicycle Network Improvements











A Fresl for Pati Spruce Bridge

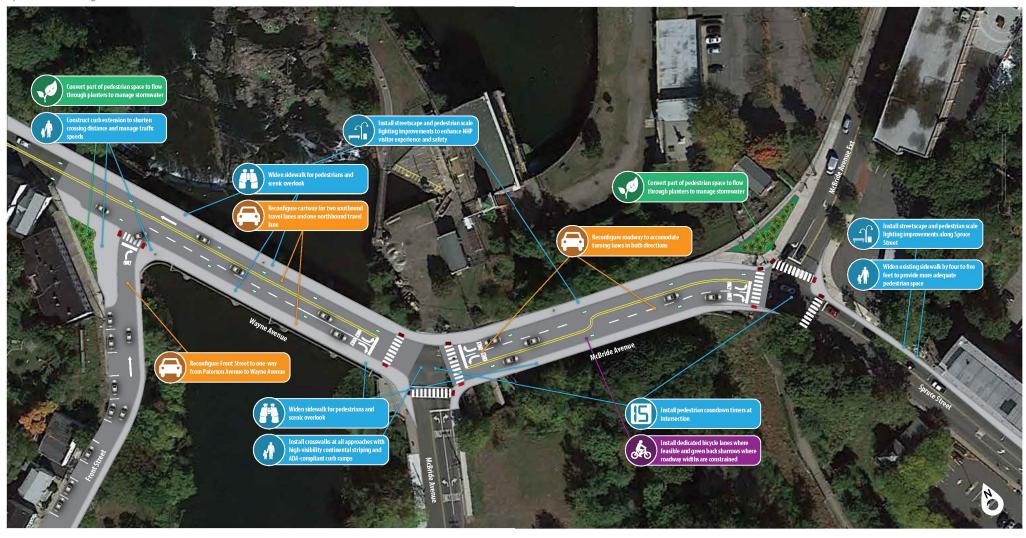
by ASHE North Central New J

he Spruce Street Bridge, It Jersey's Passaic River a to the Paterson Great Falls Na' Great Falls Park). The original service life, requiring constan structurally deficient and in not the deck condition and a func Passaic County selected WSP bridge superstructure reconst full replacement of the bridge and enhanced pedestrian acculso entailed signal upgrades Wayne and Totowa avenues a Spruce and Front streets.

A plan evolved to replace the existing deck with a new concrete deck, detailed to accommodate significant profile c effect to smoothing out the severe dip at the bridge's north substructure or stringers. There were uncommonly large to Further complicating this was the design team's desire to r composite with the new deck. To accomplish this, they deve mild steel reinforcement to prevent cracking in the deep cor for shear stude stacked two and three high to properly trans existing stringers. Avoiding a full bridge replacement with I and a lengthy permitting schedule that would not have fit ti

The highly traveled bridge was an important part of the need for quick turnaround. Instead of looking to add lat the focus was on serving the community with an improved wanted to design a safe and inviting structure for pedestria in the area. Such a change in direction required vetting by project included a stakeholder outreach program to ensure direction of the project. The community adjacent to the Pate

Spruce Street Bridge Recommendations - Front Street to McBride Avenue Extension



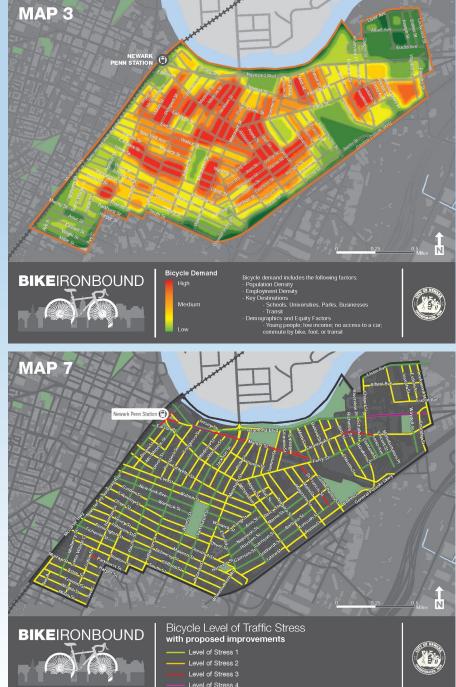
62 | Gateway Vision Plan Great Falls Circulation Study | 63



BIKEIRONBOUND

BICYCLE PLAN FOR THE CITY OF NEWARK

prepared by WSP I Parsons Brinckerhoff and the New Jersey Department of Transportation





07Pilot Projects

In order to support its efforts to create a comprehensive bicycle network in the Ironbound neighborhood, the City of Newark has selected five locations to pilot on-road bicycle facilities and two additional locations for bike corrals. The purpose of these pilot projects is to build on the momentum of **BIKE**IRONBOUND by choosing locations where the vision of the plan can be implemented quickly and effectively. The selected projects also create a solid inital network of north-south and east-west routes to build upon, and represent a variety of bicycle facility typologies.

The following locations have been chosen as pilot implementation projects:

- McWhorter Street
- Adams Street
- Van Buren Street
- Ferry Street
- Raymond Boulevard

In the case of Adams Street and Van Buren Street, the pilot recommendations are for buffered bicycle lanes in order to facilitate quick implementation. In the long term, the facilities may be upgraded to separated bicycle lanes, as indicated in the proposed bicycle network in Chapter 6 and Map 6.

Additionally, locations have been chosen for the implementation of bike corrals:

- Ferry Street (near Wilson Avenue)
- Raymond Plaza East (between Ferry Street and Edison Place)

Three Pilot projects built within months of plan adoption

- Ferry Street
- Adams Street
- McWorther St







Pop-Up Outreach

Recurring Comments:

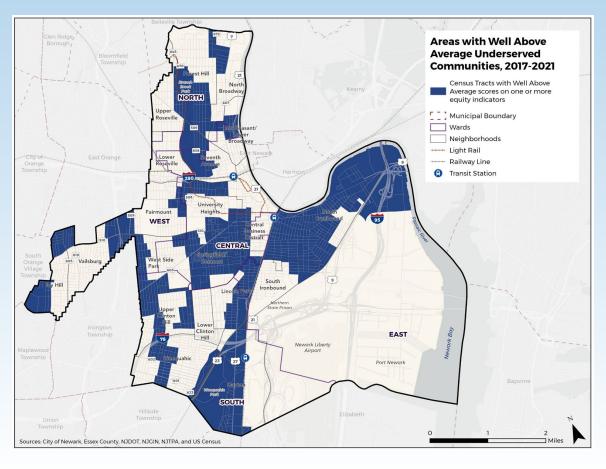
- · Fear of traffic/being hit
- Make biking safer/more accessible for children
- · Bike/ped conflicts
- · First-mile/last-mile connections
- Access to a bike
- · Bike racks and storage
- · Education and safety training
- · Double-parked vehicles
- · Bike/scooter share concerns

Notable Specific Comments:

- Law enforcement officers support cycling but are concerned about the safety of riders (noted night-riding & Frelinghuysen Ave specifically)
- Several students bought cars in 1st year @NJIT b/c of difficulty getting around Newark w/out one







Protected Design Preferred

Preferred Bicycle Facilities

- Protected Two-Way Bicycle Lanes
- Protected One-Way Bicycle Lanes
- Bicycle Boulevard

Only if No Other Option

- Standard Bicycle Lanes
- Sharrows/Shared Lane









Recurring Themes

- Equity & disproportionate impacts to underserved communities
- Personal safety & separation from traffic
- Municipal capacity
 - Conflicting priorities
 - Staffing
 - Access to grants and funding
 - Proof of Concept
- Project Champions
- Stakeholder and advocates
 - Trenton Cycling Revolution
 - New Jersey's TMAs
- Funding
 - City of Paterson SS4A Grant

