



# Safe Streets and Roads for All

## Safety Action Plan | Vision Zero Plan

### Vision Zero Advisory Committee Meeting (VZAC) #1

March 27, 2024

Prepared By:

**Kimley»Horn**



# Agenda

- Welcome & Meeting Purpose
- Program Overview
  - Federal Program – SS4A
  - Vision Zero
- Study Process
  - Engagement & VZAC Role
  - Our Timeline
- Briefing – Preliminary Crash Data
- Next Steps

*The meeting is being recorded.*



# Program Overview



# What is the Safe Streets and Roads for All?

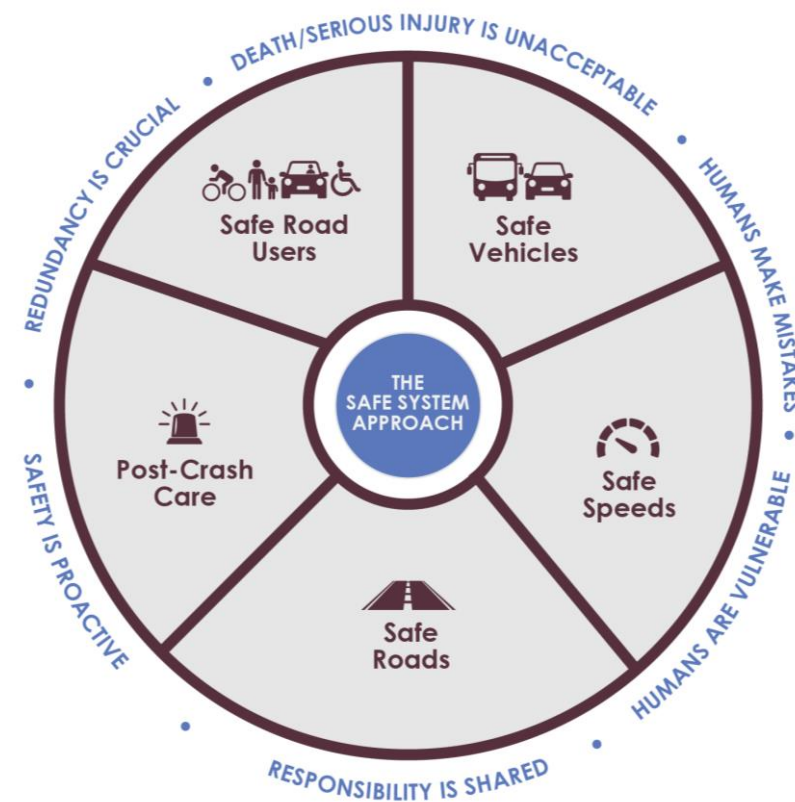
- Federal grant program – U.S. Department of Transportation – Federal Highway Administration (FHWA)
- **Goal:** Create a transportation system and mindset of users and its designers that eliminates all traffic related fatalities and substantially reduces serious crashes
- **Includes:** Funding Action Plans (up to \$10M) and Implementation (up to \$25M) grants
- *Allows municipalities to apply directly FHWA and not go through DOT and regional agencies*





# What Is a Safe System Approach?

- Traffic fatalities & serious injuries are preventable
- Understanding that humans are vulnerable and make mistakes
- We collectively need to be proactive and put safety first when designing improvements to the system



*shift from a conventional safety approach because it focuses on both human mistakes AND human vulnerability and designs a system with many redundancies in place to protect everyone*



# What is a Vision Zero Plan?

- Developed, approved, and is the foundation of the SS4A grant program
- Include explicit goals and measurable strategies to implement and address safety challenges
- Include timelines and identified projects to guide future projects and eliminate traffic-related deaths and injuries



# The Town's Award

- Town was awarded a grant of \$336,000 in early 2023 to develop its own Safety Action Plan.
- Federal Highway gave Notice to Proceed (NTP) in late 2023.
- Grant required 20% match by the Town that is a combination of \$ and in-kind services.

## NEWS

### What streets in Weymouth are the most dangerous? A traffic study will find out



**Jessica Trufant**  
The Patriot Ledger

Published 4:30 a.m. ET March 7, 2024 | Updated 8:12 a.m. ET March 8, 2024



WEYMOUTH – The town will use funding from the federal government to study ways to improve traffic safety and prevent deadly crashes.

The town received \$336,000 from the federal Department of Transportation through the [Safe Streets For All program](#). The program helps communities pursue projects that will improve safety and help prevent deaths and serious injuries on the nation's roadways.

"We're trying to achieve zero fatalities and substantially reduce serious-injury crashes that occur," Bill Scully, senior project manager at Kimley-Horn, said at a recent town council meeting. Kimley-Horn is a traffic consultant for the town.

The town will use the funding to develop a "Vision Zero" action plan during the next 10 months. The plan will include analysis of crash data to identify trends and high-risk areas and make data-driven policy and project recommendations. The town will host community meetings and seek resident feedback throughout the process.



# Why is this project important?

## Crash Experience Occurring in the Town (2018 – 2023)



5,719

total crashes



15

deaths



85

serious injuries



125

pedestrian-bicyclist  
crashes

**NOTE: Data does not include Route 3 crashes**

*SOURCE: MassDOT: Crash Data Portal*

*A Vision Zero approach to road safety management is based on the belief that no death or serious injury is acceptable on roads*





# Requirements



**High Injury Network:** Analyzing data to identify places on the transportation system with the highest risk for fatal and serious injury crashes so that we can focus on our most important problem areas.



**Equity Component:** Identifying and prioritizing efforts in disadvantaged communities that are disproportionately affected by traffic crashes.



**Public Input:** Engaging with the public is a key part of the study.



**List of Priority Streets and Intersections:** Producing a list of feasible projects that have the most safety impact for the Town.



**Educational and Enforcement Programs:** Identifying key behavioral changes needed to reduce crashes and methods for encouraging those changes.



**Sustained Effort:** Establishing a defined process and identifying an organization responsible for carrying out, updating, and monitoring progress.

# Benefits

- Improved safety including reducing loss of life
- Enable the Town to pursue **Implementation grants** from FHWA for improvements
- Actions can include physical changes as well as enforcement and educational programs



# Study Process



# Scope

- Create a substantial public knowledge and engagement program
- Identify all fatal and high risk crash locations within the town
- Consider safety actions for all modes of travel
- Include enforcement and education in addition to engineering solutions
- Develop a Safety Action | Vision Zero Plan that meets the federal certification requirements



# Meaningful Public Engagement

- Project webpage and dashboard
- Project tagline and promote
- VZAC made up of range of disciplines and perspectives
- Residential representation from each district appointed by Mayor
- Town Council participation via Public Safety Committee
- Social media messaging & news press releases
- In-person meetings in each district
- Online mapping and survey tool to gather public input



# Proposed Tagline

*Safe Streets. Stronger Neighborhoods.*



# Interactive Map

PublicCoordinate  
Created By Kimley»Horn

Safe Streets and Roads for All: Safety Action Plan | Vision Zero Plan

Welcome Project Description PDF Admin Select Language  
Powered by Google Translate

**Safe Streets and Roads for All**  
Safety Action Plan | Vision Zero Plan  
*Safe Streets. Stronger Neighborhoods.*

**We need your input!**

The Town of Weymouth is developing a Safety Action Plan | Vision Zero Plan to identify and eliminate fatalities and serious injuries from vehicle crashes for everyone (pedestrians, bicyclists, transit users, and drivers).

With community input, this plan will prioritize roadway and infrastructure projects that address safety challenges for residents of Weymouth and support future funding opportunities for safety projects.

**How to share your input:**

**Comment map:**

- Click "Add Comment" on the right side of this page.
- Use the icons to indicate desired transportation safety improvements for pedestrians, bicyclists, transit users, and drivers.
- Use the exclamation point icon to indicate a place(s) where you have witnessed or been in a crash or a near-crash.

We welcome your feedback on the accessibility of PublicCoordinate. Please let us

OK

Legend  
Weymouth Boundary

Search  
Filter Comments  
Add Comment

Mapbox © OpenStreetMap Improve this map



slido



## Are there locations in Town where you feel there is an issue to consider?

### Are there locations in Town where you feel there is an issue to consider?

Open text poll 15 responses 10 participants

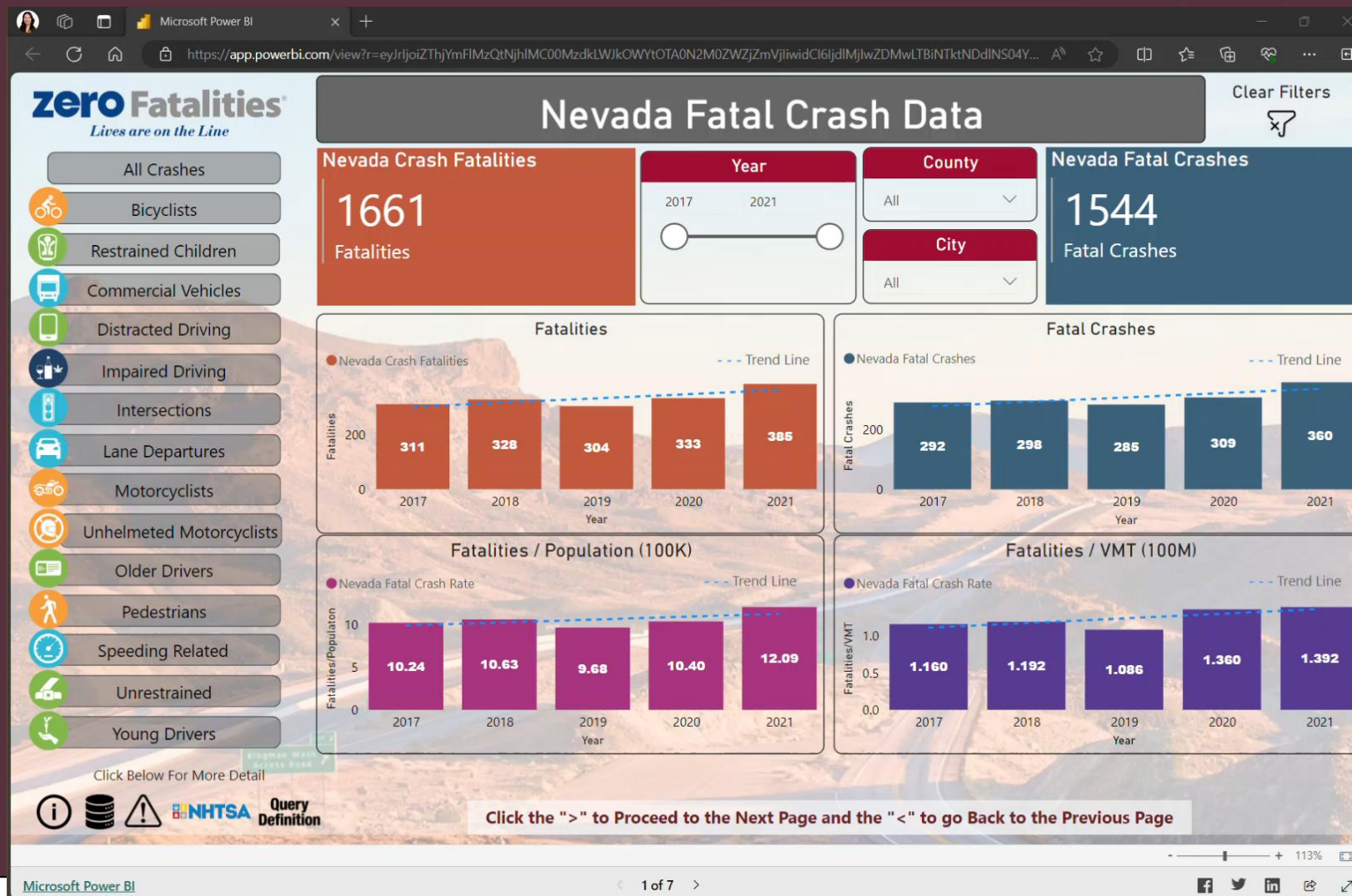
- Anonymous  
East, North, Norton st intersection improvements
- Anonymous  
Are the pleasant street bike lanes still present? Not all edge lines have been repainted
- Anonymous  
Also for bike lanes, if it is only painted that is not really any protection and does not encourage more inexperienced bikers to use the lanes
- Anonymous  
Trotter Rd where the commuter car/train/pedestrian come together.
- Anonymous  
South Weymouth commuter rail station needs a sidewalk on both sides of the entrance and the bike parking needs to be moved to a safer location.
- Anonymous  
Distracted driving
- Anonymous  
3A is very dangerous for bikers, and currently bike lanes along pleasant street are used as parking spots which makes them hard to use in the summer
- Anonymous  
Add left turn arrow from Main St southbound to winter st
- Anonymous  
Lot of speeding through the landing area
- Anonymous  
Anywhere around park or school needs to be re-evaluated. This is a meeting point for residents and speed limits are not enforced.
- Anonymous  
Yes. There are areas throughout town with wide channelized turn lanes that encourage higher vehicle speeds and long crossings and aren't conducive to pedestrian safety
- Anonymous  
Rt 18 & Pond Street intersection (especially when the fast food restaurants come in)
- Anonymous  
North Weymouth Bridge Street
- Anonymous  
As improvements are made to Columbian Square, Central Street in South Weymouth (Stella Terrell Park) needs significant attention to safely connect pedestrians and cyclists to amenities in the square and on Main Street.
- Anonymous  
Yes

slido





# Dashboard Example







# Vision Zero Advisory Committee Role

- Attend Monthly meetings (around 8) anticipated during the life of Project
- Help identify potential problem areas
- Provide key input and feedback
- Be an advocate and assist in getting stakeholders engaged
- Recommend priorities
- Participate in implementation and tracking progress



# Expectations from Town

- Active participation from key town departments and encouraging public input
- Commitment by town officials and all departments to embrace the goal and work towards eliminating fatal crashes
- Commitment will be in forms of:
  - A Vision Zero Policy
  - A Resolution by Town Council
  - Pledge by town leadership and the general public

*What will bring success? – significant “**buy in**” from residents, employers and leadership*



# Our Timeline

## Winter 2023

Project Kickoff

## Early 2024

Analysis – ID High Crash  
Network (HIN)

## Summer 2024

Setting Project Priorities

## Early 2025

Implementation Grant  
Application

## Winter 2023

Begin Stakeholder and  
Public Engagement

## Late Spring-Early Summer 2024

Evaluating Countermeasures  
and Programs

## Fall 2024

Final Safety Action |  
Vision Zero Plan

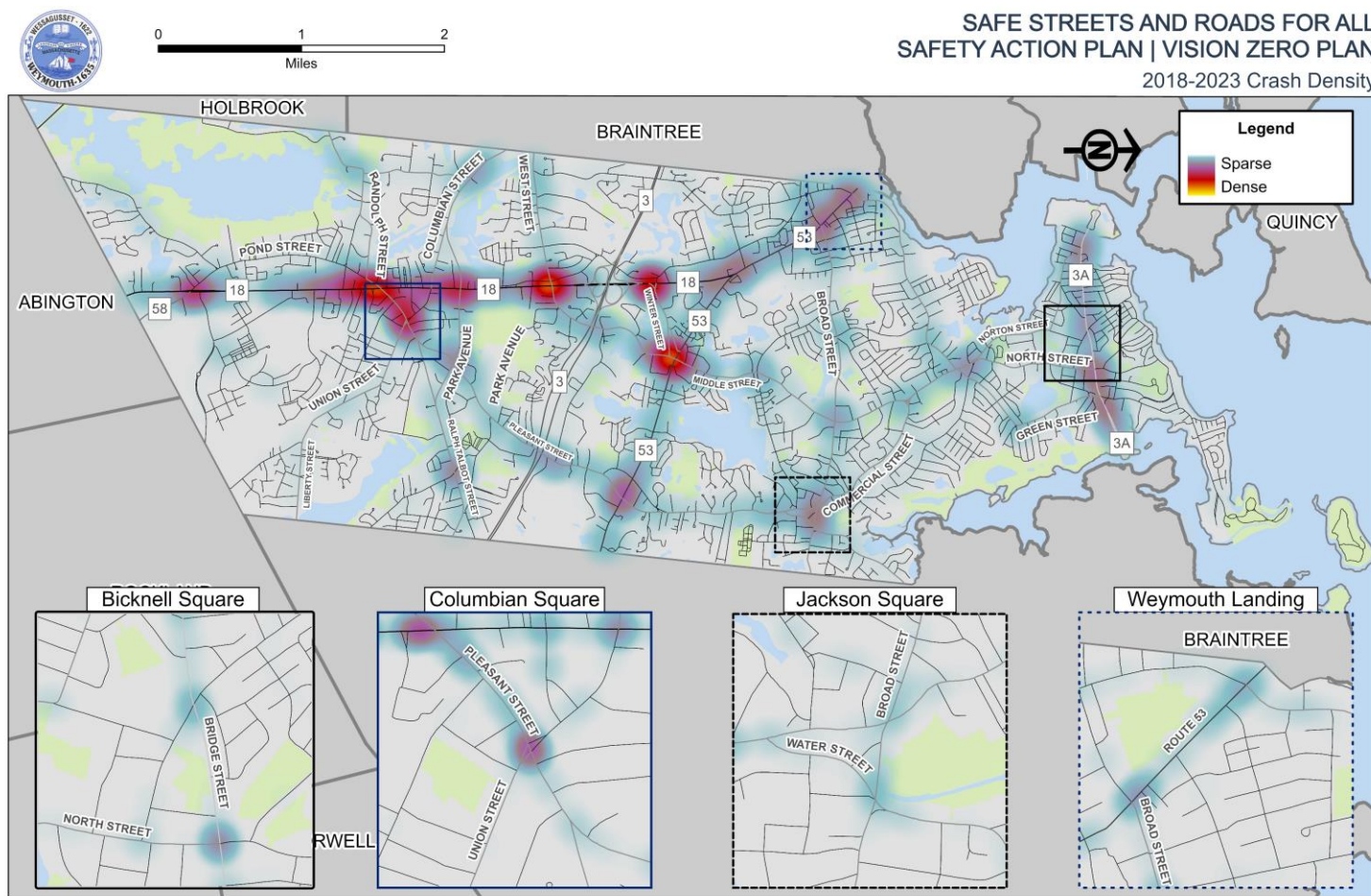


# Preliminary Crash Data



# 2018 – 2023 Crash Density

- High crash concentrations identified
- The four town squares all have high crash locations

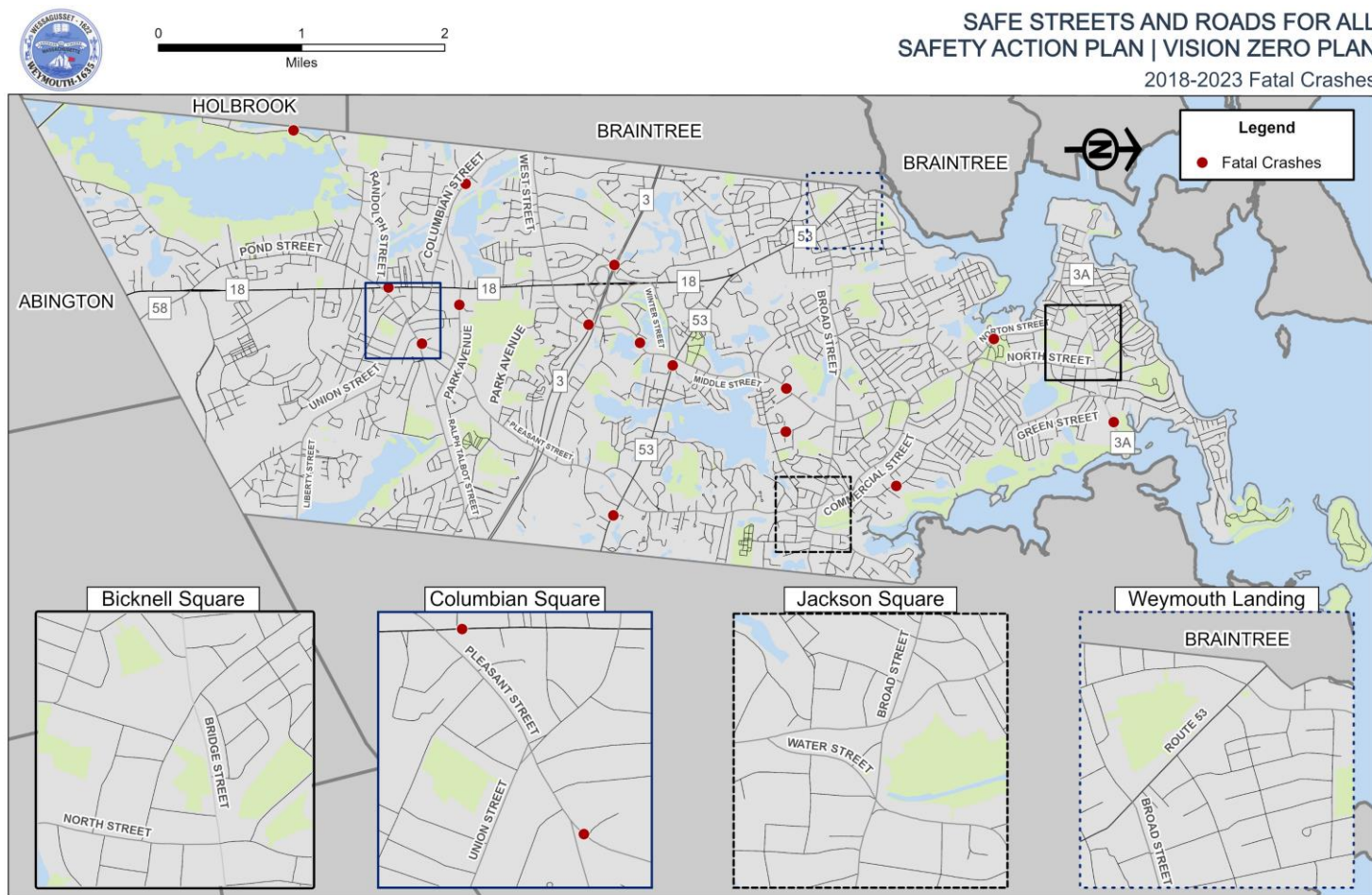






# 2018 – 2023 Fatal Crashes

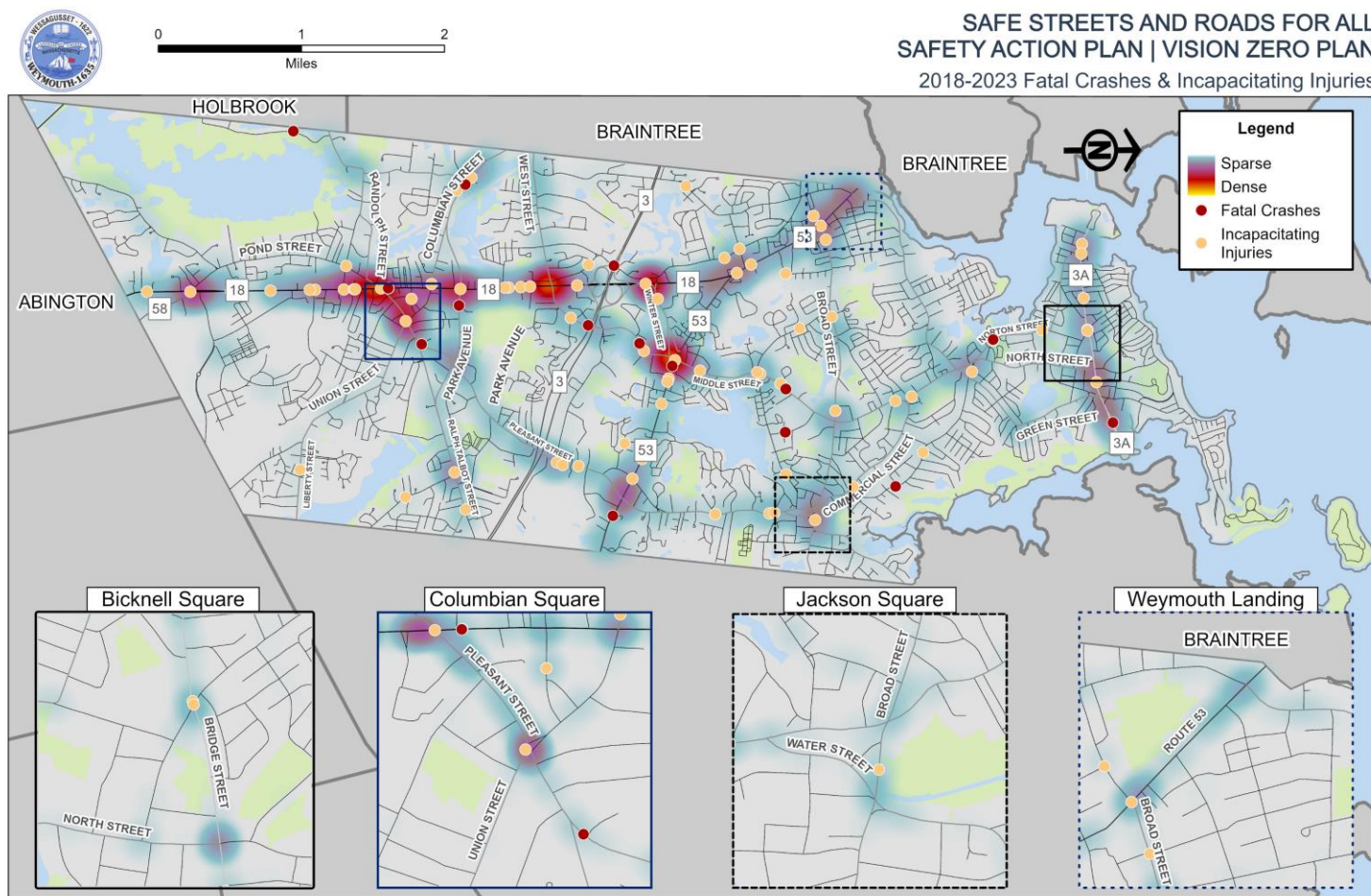
- 15 Fatal Crashes
  - 7 of the fatal crashes were collisions with a pedestrian
- Spread throughout the whole town
- Columbian Square was the only square that had fatal crashes





# 2018 – 2023 Fatal Crashes & Incapacitating Injuries

- 85 Incapacitating Injuries
  - 4 collisions with a cyclist
  - 10 collisions with a pedestrian

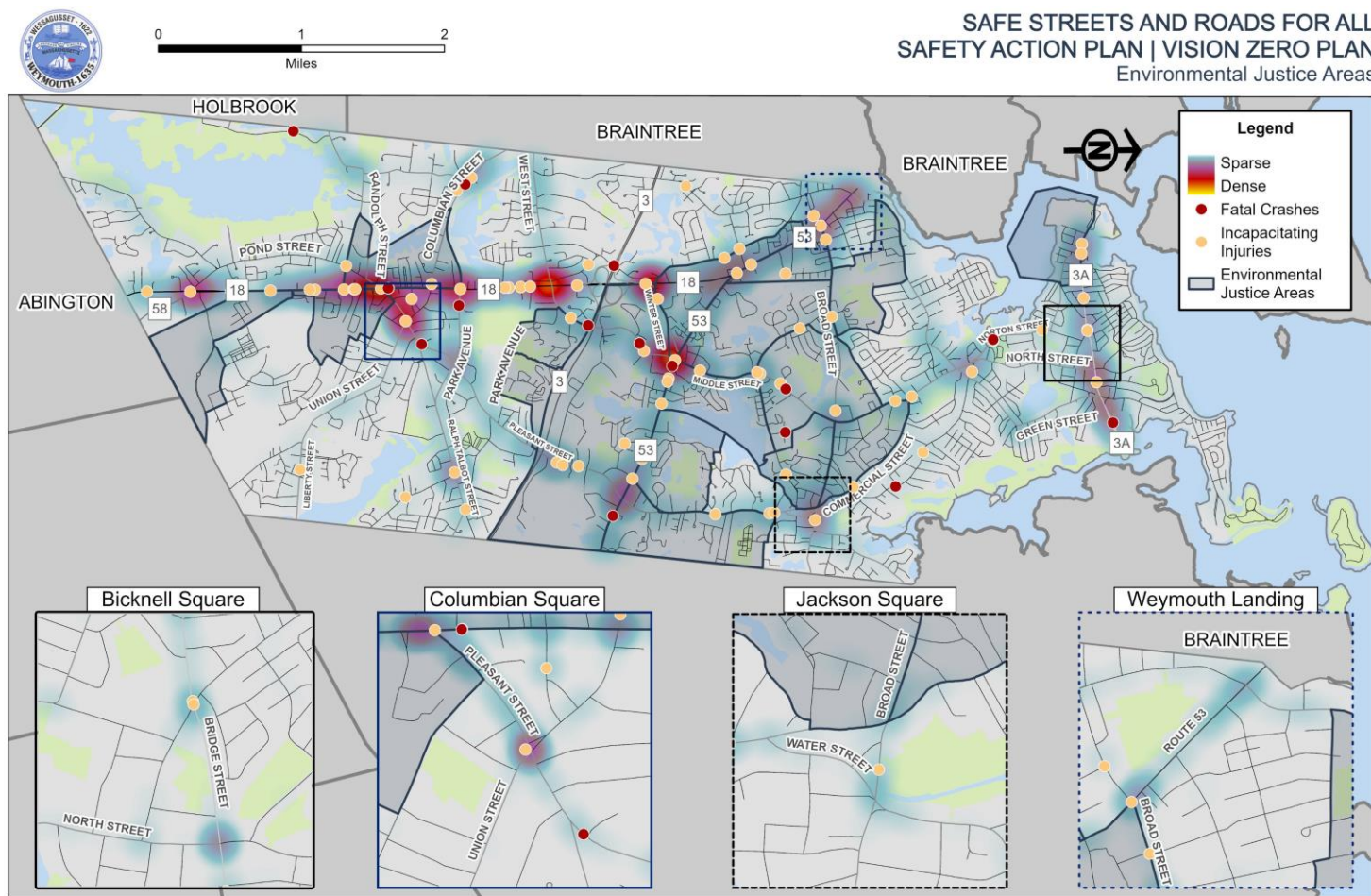






# 2018 – 2023 Crash Density & EJ areas

- EJ population areas consist of a mix of Minority, Income, & English Isolation
- Many fatal/incapacitating injuries are within the EJ areas

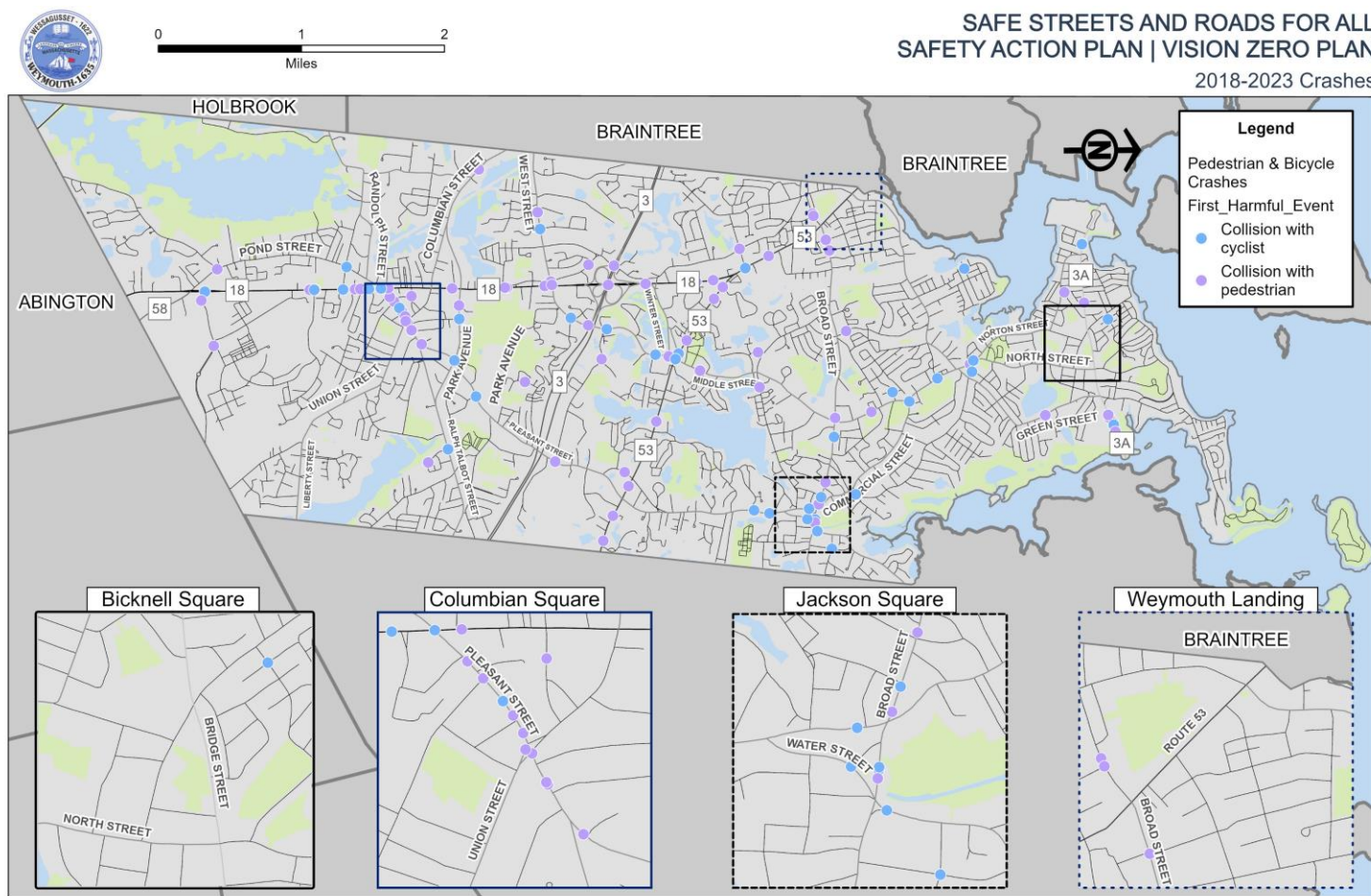






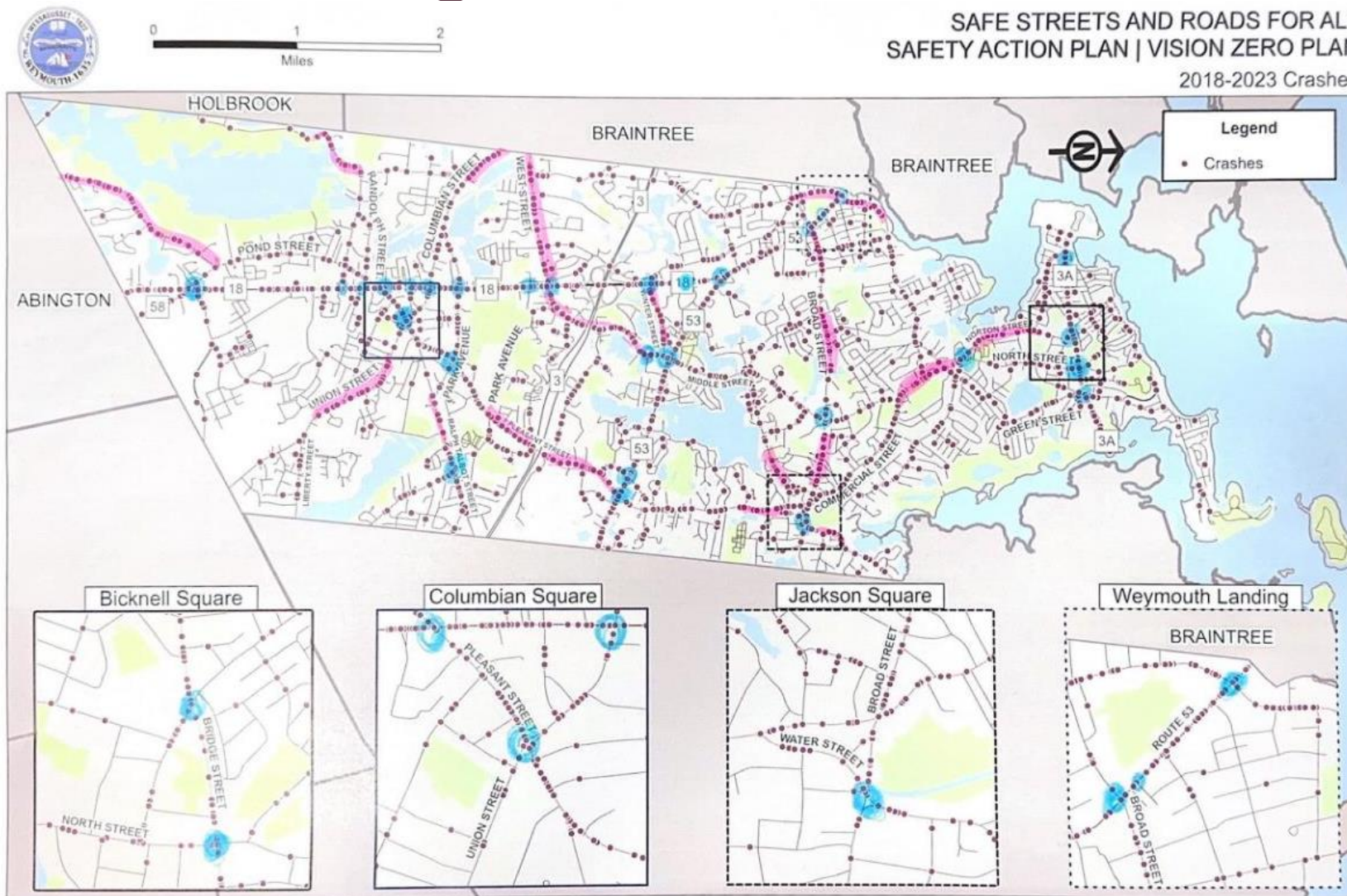
# 2018 – 2023 Pedestrian & Bicycle Crashes

- 83 collisions with a pedestrian
- 42 collisions with a cyclist
- Columbian Square and Jackson Square had the greatest number of collisions





# Initial High Crash Locations







# Next Steps

- Continue to conduct a driven data analysis approach (crash, traffic, speed, EJ areas)
- Continue to evaluate the High Crash and High-Risk Locations by area and corridor
- Create Vision Zero Dashboard
- Visit our website to keep informed
- Want your help to be an advocate and assist in getting stakeholders engaged
- Save the date will be coming for VZAC Meeting #2 week of April 22<sup>nd</sup>



# Thank you!