

The City of Miami Beach was awarded the Safe Streets and Roads for All (SS4A) \$400,000 Grant by the Federal Highway Administration (FHWA) in July 2023 for the development of a citywide Vision Zero Action Plan (VZAP).



WHAT IS VISION ZERO?

Vision Zero is a safety initiative with a goal to eliminate all traffic fatalities and severe injuries while increasing the safety, mobility, and health of all residents of the City of Miami Beach. We are focused on system-level changes at how we plan, design, and build our transportation network.

On average, **Miami Beach experiences approximately 64 life-altering and fatal crashes annually.**

It is the City's goal to ensure all residents are safe when on the streets. Instituting a Vision Zero policy provides an avenue for the City to address safety concerns. The Miami Beach Vision Zero Action Plan is an extensive safety initiative in collaboration with various City departments and partner agencies that promotes coordinated solutions in engineering, education, encouragement, evaluation, equity, and enforcement.

MIAMI BEACH VISION ZERO GOALS

The City's commitment to zero traffic deaths means addressing all aspects of safety through five overarching program focus areas. Our focus areas are based on FHWA's Safe Systems approach that, together, creates a holistic approach with layers of protection for all road users. Our focus areas are: **Promote a Culture of Safety, Enhance Process and Collaboration, Build Safe Streets for Everyone, Create Safe Speeds, and Make Data-Driven Decisions.** The City has set 3 ambitious, but essential goals for reshaping our perspective on streets and guiding future decisions towards creating inviting, safe environments for all.



Achieve zero traffic-related deaths or injuries by 2040



Create and promote safe and comfortable streets with balanced mode shares



Prioritize equitable and context-sensitive investments

BETWEEN 2017 AND 2023 IN MIAMI BEACH...

33,550 reported crashes

48 people died

67,831 people involved

7 lives lost per year



DEVELOPING THE ACTION PLAN



The City’s action plan was guided by an evaluation of crashes in Miami Beach between 2017 and 2023. Through data analysis, crashes were identified by mode, location, behavior, and environmental elements influencing them and their severity. Knowing where and why deadly and life-altering crashes are occurring sheds light on resulting patterns and contributing systemic factors and informs targeted strategies and actions for effective intervention.

To inform the recommendations outlined in the action plan, the evaluation of data also included evaluating trends in relation to reoccurring crash types, crash locations by roadway jurisdiction, vulnerable road users including disadvantaged communities, aging drivers, youth drivers, traffic control measures, synagogues and Jewish centers, transit, and schools and learning centers.

A High Injury Network (HIN), defined as a collection of roads where the highest rates of severe injuries and fatalities are occurring, was developed for this action plan to help prioritize the locations where the recommended safety efforts are urgently required by addressing root causes in the community’s most vulnerable areas and maximizing the impact of limited resources and funding.

Task Force Meetings & Community Outreach	
April 4, 2024	VZAP Task Force Meeting #1
June 10, 2024	VZAP Task Force Meeting #2
June 25, 2024	VZAP Task Force Meeting #3
June 25, 2024	Community Outreach Bike Ride
July 11, 2024	VZAP Task Force Meeting #4



ACTION PLAN RECOMMENDATIONS

Reaching zero deaths relies on a Safe Systems approach recognizing that humans make mistakes and their bodies have limited ability to withstand crash impacts. This approach designs roads to minimize risks and ensures that when mistakes happen, they don’t result in fatalities or serious injuries.

The final report for the Miami Beach Vision Zero Action Plan details Action Items, related implementation partners, suggested timeframe, and a pertinent performance metric divided into 5 categories that will play a role in achieving the ultimate goal of eliminating fatal and serious injuries from our roadways.



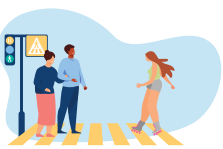
Safe Road Users
7 Action Items



Safe Vehicles
5 Action Items



Safe Speeds
5 Action Items



Safe Roads
6 Action Items



Post-Crash Care
5 Action Items

MOTOR VEHICLE HIGH INJURY NETWORK (2017 - 2023)

This map illustrates the Motor Vehicle High Injury Network, which is comprised of all roadways where there was a motor vehicle-involved traffic crash that resulted in someone being Killed or Seriously Injured.

3 corridor segments within the City of Miami Beach were part of the Top 40 HIN Segments identified in the Miami-Dade County 2024 Vision Zero Action Plan:

West Avenue
from 5 Street to 17 Street

Dade Boulevard
from Venetian Way to 23 Street

Pine Tree Drive
from 23 Street to 63 Street



0 0.25 0.5 1 Miles

LEGEND

- Motor Vehicle HIN
- Miami-Dade County HIN Overlap

Source: Signal4 Data Analytics

MIAMI BEACH
VISION
ZER



TASK FORCE

BPAC Meeting

July 9, 2024

Introduction

MIAMI BEACH



José R. González, P.E.
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Otniel Rodriguez, E.I.
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Ghassan Choueiry, P.E.
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Stakeholders



Other Partners

City of Miami
City of Surfside
DecoBike
Broward Metropolitan Planning Organization
South Florida Commuter Services
South Florida Regional Planning Council

Agenda

- 1 Background**
- 2 About Miami Beach & Modal Priorities**
- 3 Plan Purpose & Goals**
- 4 Questions & Answers**



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Background



1. Background

On the same path as Miami-Dade County which formally established its Vision Zero Program in 2021, Miami Beach applied for the Federal Highway Administration (FHWA) Safe Streets and Roads for All (SS4A) Grant for the development of a citywide Vision Zero Action Plan in 2022.

FHWA awarded the \$400,000 grant in July 2023

FHWA Contribution = \$320,000

Miami Beach 20% Local Match = \$80,000



U.S. Department
of Transportation

**Federal Highway
Administration**

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About Miami Beach & Modal Priorities





2. About Miami Beach

The City of Miami Beach is a 7.7 square mile barrier island comprising 27 different land masses.

Its unique topography presents challenges when providing continuous connectivity for its roadway network and the different modes of travel it carries daily.

80,671 Total Resident Population

225,000 Total Average Annual Daily Traffic (AADT) on the 4 causeways entering/exiting the City*

* Source: <https://tdaappsprod.dot.state.fl.us/fto/>

2. Miami Beach Modal Priorities

Approximately **45% OF MIAMI BEACH RESIDENTS, COMMUTERS, AND TOURISTS** currently walk, bike or use transit as their primary means of transportation.

Because **ACTIVE TRANSPORTATION PLAYS A KEY ROLE** in the life of our residents and visitors and committed on supporting transportation choices

On March 18, 2015, City Commission adopted the corridor-based mode share below Miami Beach's **TRANSPORTATION MASTER PLAN WAS BUILT AROUND THESE PRIORITIES.**

PEDESTRIANS



1

TRANSIT

BICYCLISTS

FREIGHT



2

PERSONAL VEHICLES



3

ONLY CITY in **MIAMI-DADE COUNTY** to adopt this mode hierarchy.

3

Plan Purpose & Goals



3. Plan Purpose & Goals

Plan Purpose

WHAT IS VISION ZERO?

Vision Zero is a strategy originating in Sweden during the late 90s aimed at eliminating all traffic-related fatalities and severe injuries, while increasing safety, mobility, and equity for all road users.

Since then, it has gained momentum across the globe, including many U.S. communities and most recently our County.

WHY VISION ZERO?

Recognizing that **ELIMINATING FATALITIES ON OUR ROADS IS A SHARED RESPONSIBILITY**, the Miami Beach Vision Zero Action Plan will focus on City specific safety goals and strategies while remaining consistent with the objectives of the Miami-Dade County 2021 Vision Zero Framework Plan as well as the FDOT Target Zero Plan.

~64 PEOPLE ARE KILLED OR SERIOUSLY INJURED on the streets of Miami Beach each year.

3. Plan Purpose & Goals

Plan Goals



Achieve zero traffic-related deaths or injuries by 2040



Create and promote safe and comfortable streets with balanced mode shares



Prioritize equitable and context-sensitive investments

3. Plan Purpose & Goals

Plan Process

- Conduct **CRASH ANALYSIS**.
- Evaluate systemic and specific **SAFETY NEEDS**.
- Develop GIS mapping and tools to **PRIORITIZE COUNTERMEASURES**.
- Perform **LOCAL OUTREACH** and public engagement.



3. Plan Purpose & Goals

Meetings and Outreach



TASK FORCE MEETINGS AND COMMUNITY OUTREACH	
April 4, 2024	VZAP Task Force Meeting #1
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3. Plan Purpose & Goals

Community Outreach Event



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Questions & Answers



4. Questions & Answers



**QUESTIONS
AND/OR
COMMENTS**

THANK YOU!

For any questions please contact:

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