



# VISION ZERO PROGRAM UPDATE

October 5, 2023

PRESENTED BY  
MIAMI -DADE COUNTY DEPARTMENT OF  
TRANSPORTATION AND PUBLIC WORKS (DTPW)

PRESENTED TO  
OFFICE OF THE CITIZENS' INDEPENDENT TRANSPORTATION TRUST (CITT)  
ANNUAL MUNICIPAL WORKSHOP

# AGENDA

**MIAM**  
**VISION ZERO**

**MIAMI-DADE COUNTY'S  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC WORKS SAFETY INITIATIVE**

**WHAT?** Vision Zero is a countywide safety initiative with a goal to **ELIMINATE ALL TRAFFIC FATALITIES AND SEVERE INJURIES BY 2040**, while increasing the safety, mobility, and health of all county residents. We are focused on system-level changes at how we plan, design, and build our transportation network.

**WHY?** **ON MIAMI-DADE'S ROADS...** Source: FLHSMV (2022)

<b>6</b> WEEKLY FATALITIES	<b>87</b> ANNUAL PEDESTRIAN FATALITIES
<b>374</b> WEEKLY CRASH INJURIES	<b>17</b> ANNUAL BICYCLE FATALITIES

**... EVEN ONE LIFE LOST IS TOO MANY**

**HOW?** **SAFE SYSTEM FOCUS AREAS**

Making a 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 System 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
- Make Data-Driven Decisions

**WHAT YOU CAN DO** We want to hear about what you are experiencing when walking, biking, taking transit, or driving.

**M** [MiamiDade.gov/VisionZero](https://MiamiDade.gov/VisionZero) **MIAMI-DADE COUNTY**

- Program Goal & Mission
- Progress to Date
- Grant Applications
- 2023 Action Plan Update
- Other Ongoing Efforts
- Questions & Answers

# PROGRAM GOAL & MISSION



## GOAL

To end traffic fatalities  
and serious injuries  
by 2040



## MISSION

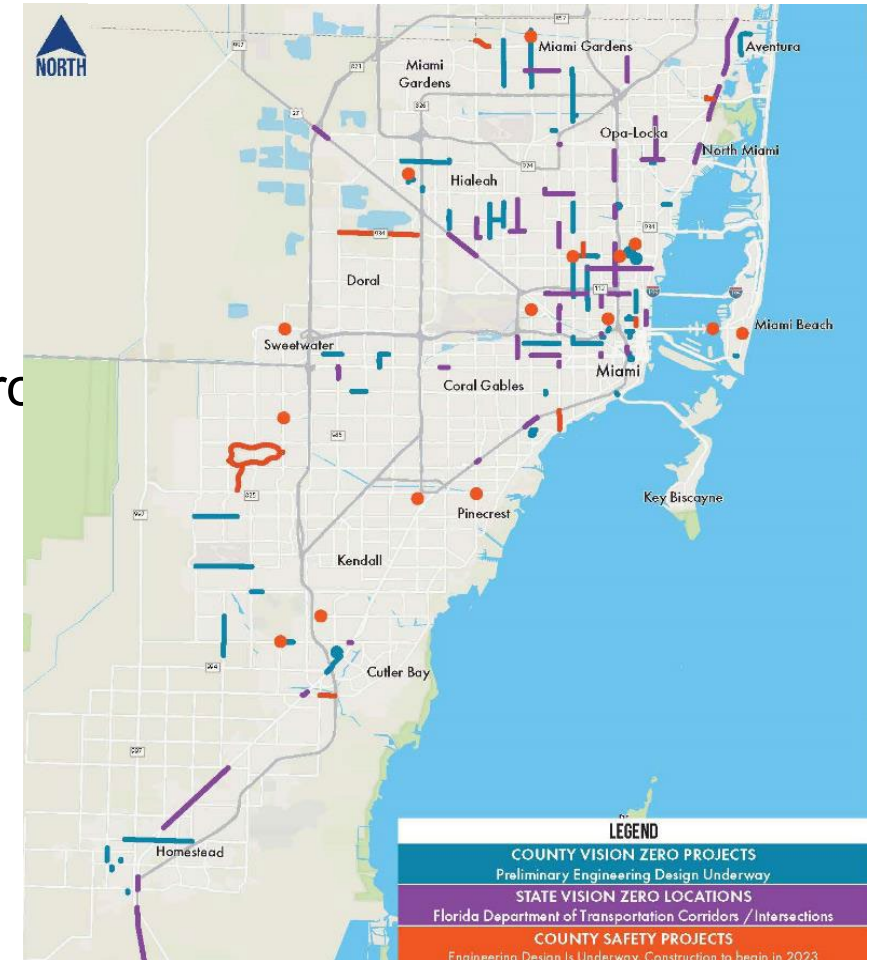
To increase safe, reliable,  
sustainable, and equitable  
mobility for all.

# PROGRESS TO DATE

## 2021 Vision Zero Framework Plan:

Top 100 locations were prioritized based on crash density, equity areas, and proximity to transit

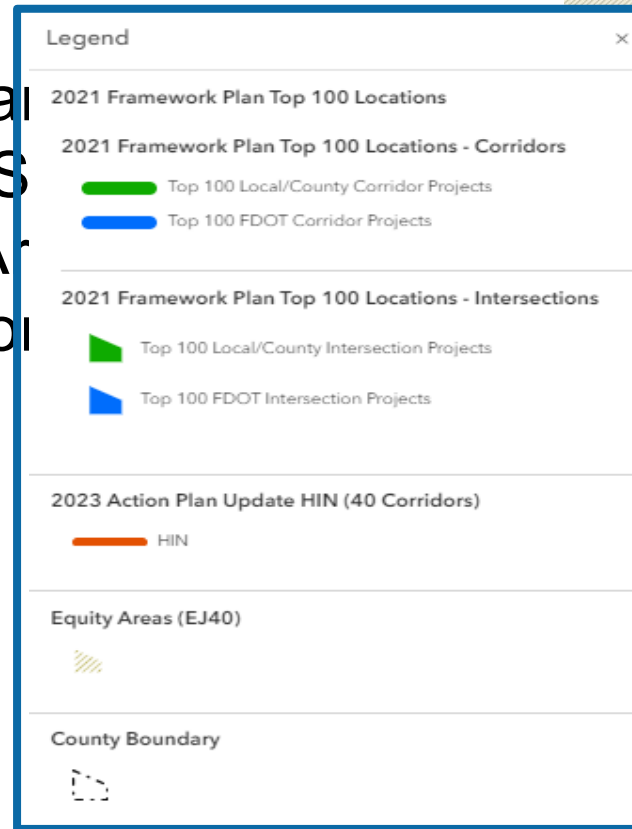
- 45 on FDOT roads
  - Analyzed crashes, identified countermeasures, and checked in-5 year work program
- 55 on County and Municipal roads
  - Analyzed crash data and identified, ~~short~~ **medium** and long term countermeasures
  - Seeking funding for project implementation from various sources



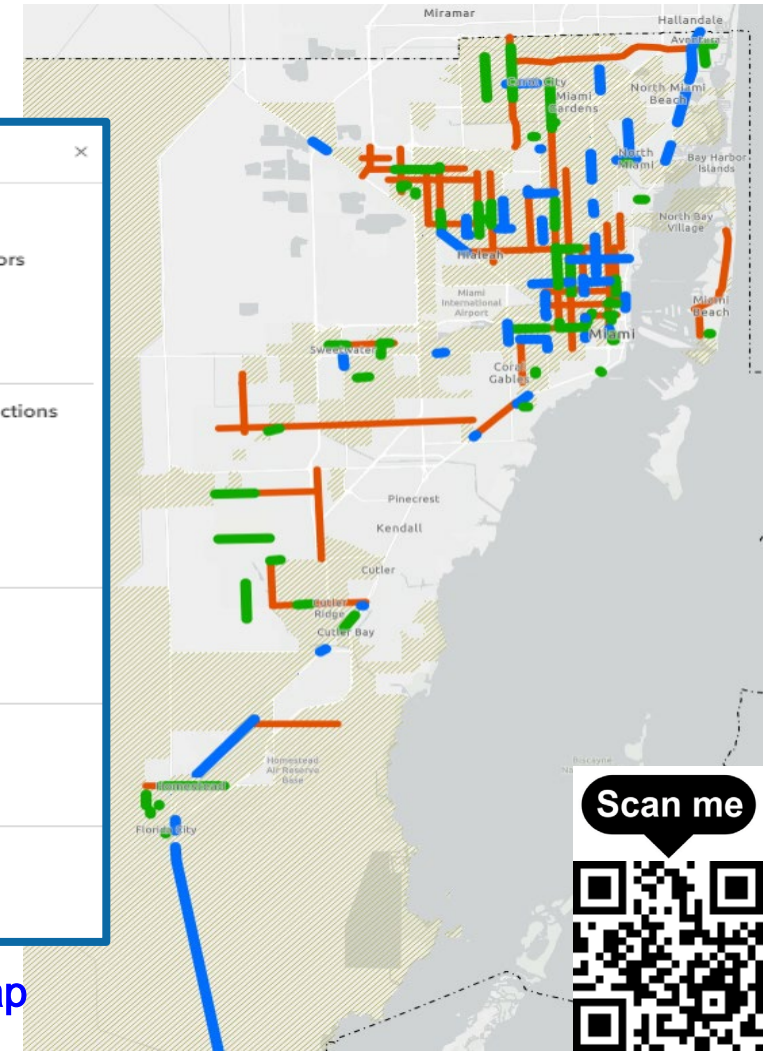
# PROGRESS TO DATE

## GIS Online Map

- Online map open to DTPW staff and municipal partners with Top 100 Safety Priority Locations, EJ 40 Equity Areas, High Injury Network (HIN) Corridor crash data, and more
- Crash data includes 2021 Fatal and Serious Injury Crashes

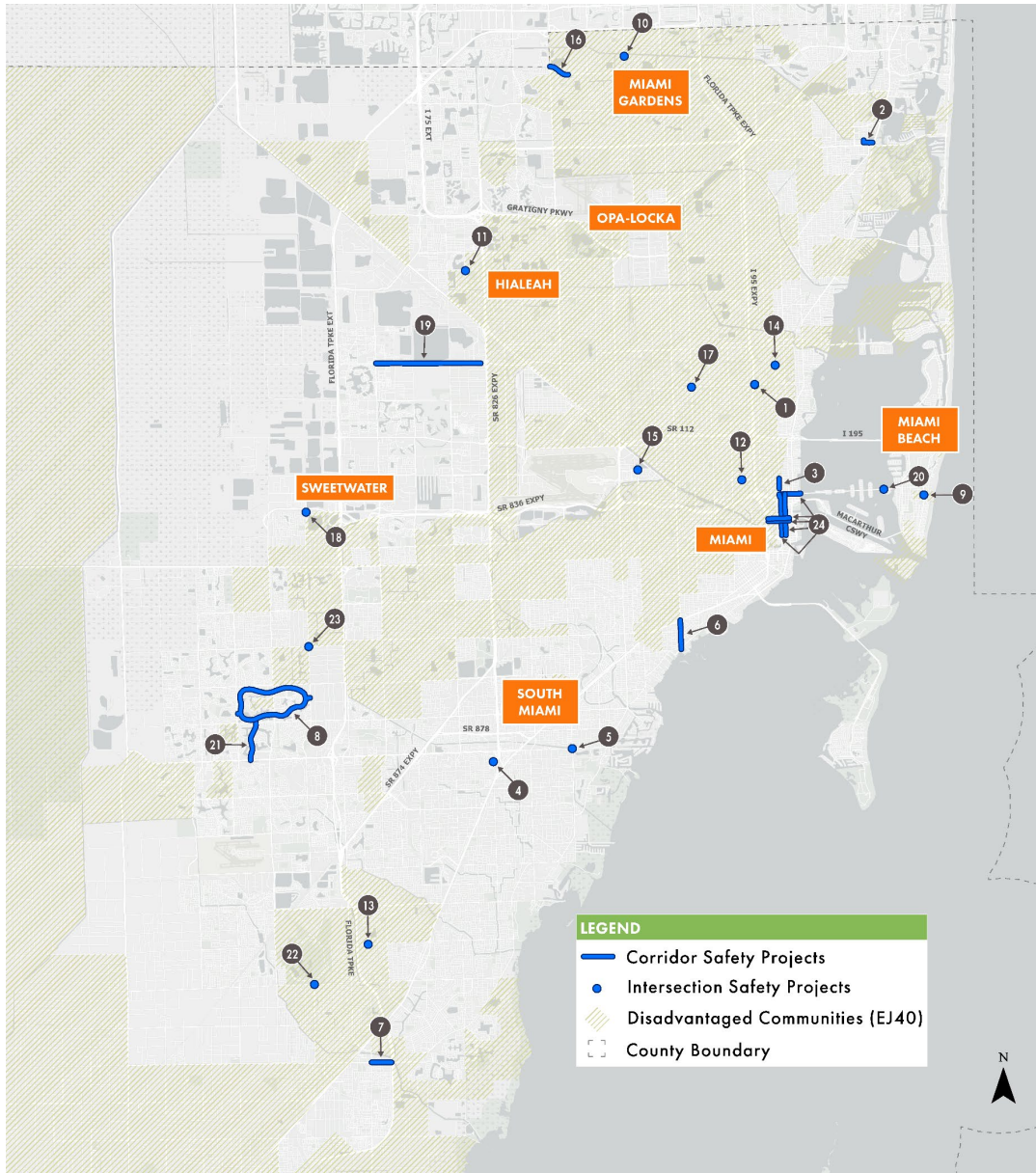


[bit.ly/DTPWVisionZeroMap](https://bit.ly/DTPWVisionZeroMap)





# PROGRESS TO DATE

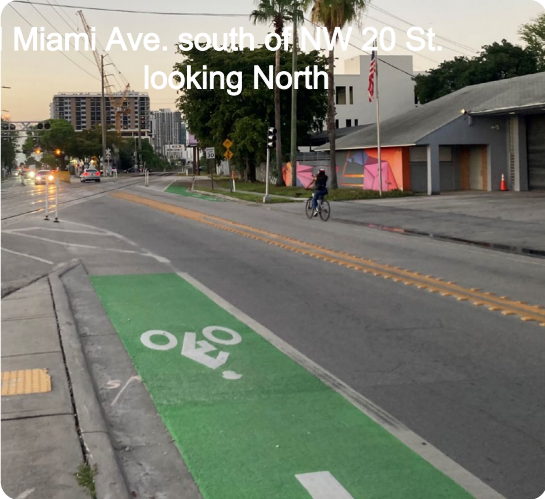


## 24 Safety Projects

- 68% of these projects are in disadvantaged communities
- Improvement types:
  - Sidewalk/curb ramp improvements
  - Signing/pavement markings
  - High-visibility crosswalks
  - Buffered bicycle lanes, bicycle conflict markings
  - Curb extensions
  - Rectangular Rapid Flashing Beacons (RRFB)
  - Leading Pedestrian Intervals (LPIs)

# PROGRESS TO DATE

## Featured Completed Safety Projects

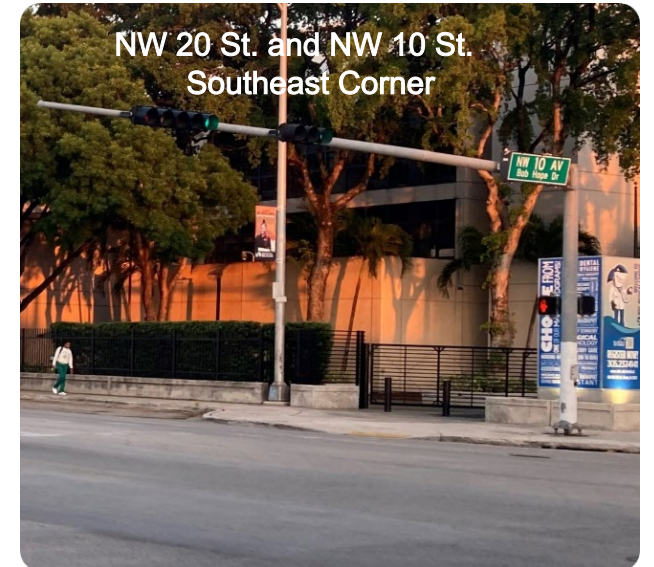


### N Miami Ave. from NW 17 St. to NW 20 St.

- Realigned bicycle lane geometry crossing the railroad
- Added green bicycle pavement markings and delineators

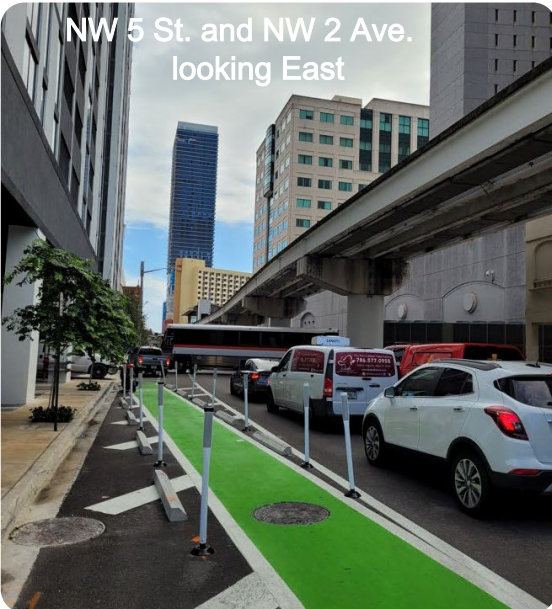
### NW 20 St and NW 10 Ave.

- Implemented Leading Pedestrian Interval (LPI)



### Downtown Micromobility Network Protection Elements

- Added buffer pavement markings, concrete curbs and wheelstops, and delineators
  - N Miami Ave. from Flagler St to NE 11 St
  - NE 1 Ave. from Flagler St to NE 10 St
  - N 5 St from NW 3 Ave. to NE 2 Ave.
  - N 6 St from NW 3 Ave. to NE 2 Ave.





# GRANT APPLICATIONS

Congratulations FY 22 SS4A Action Plan grant awardees!

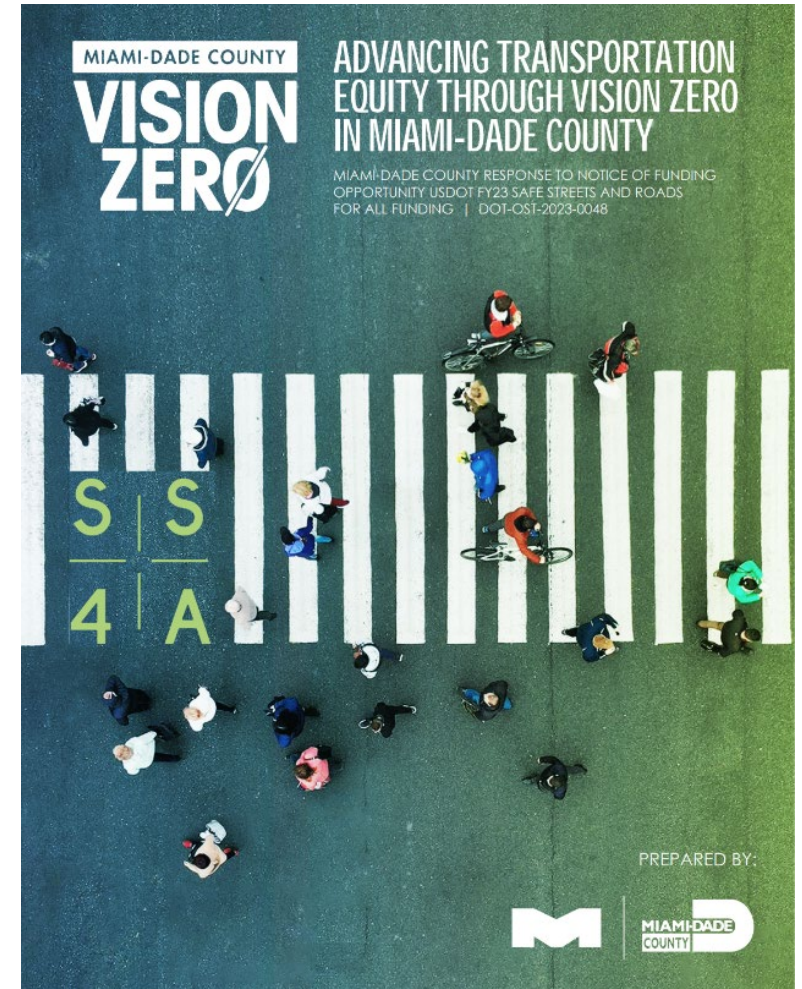
- City of North Miami Beach
- City of Opa-Locka
- Village of Palmetto Bay
- City of Miami Beach



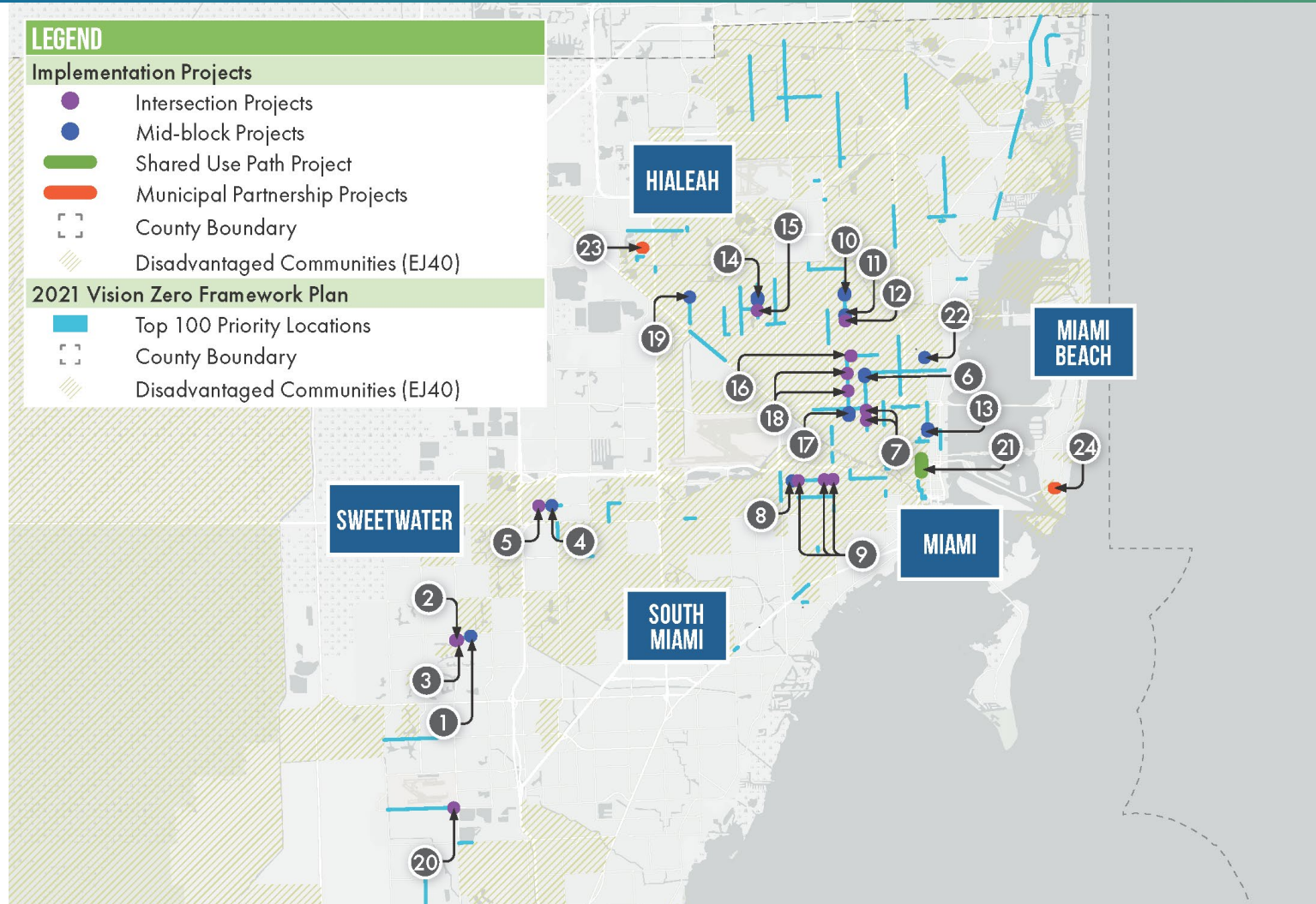
MIAMIBEACH

# GRANT APPLICATIONS

- DTPW submitted a joint application with the Miami-Dade TPO, City of Hialeah, City of Miami Beach, and UM KiDZ Neuroscience Center WalkSAFE BikeSAFE Programs
- **Total Cost** \$20.26 M
- **Total Federal Request** \$16.20 M
- **Implementation Grant Type**
  - 24 Implementation Projects
  - 6 Supplemental Planning Projects
  - 9 Demonstration Projects



# GRANT APPLICATIONS



## IMPLEMENTATION PROJECTS

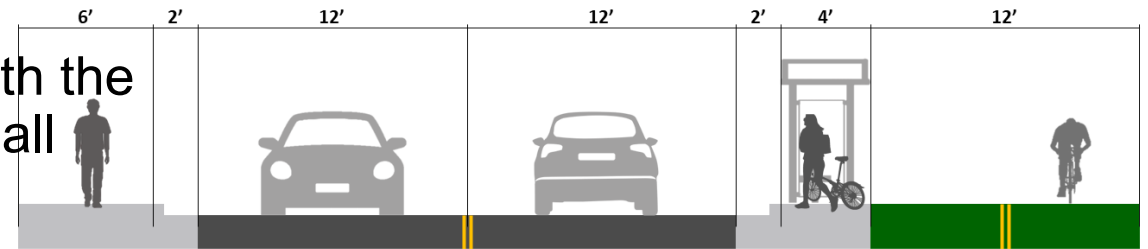
Project Number	Location/Intersection
1	SW 59 Street and SW 133 Avenue
2	SW 59 Street and SW 137 Court
3	SW 59 Street and SW 137 Avenue
4	W Flagler Street and SW 108 Avenue
5	W Flagler Street and SW 112 Avenue
6	NW 17 Avenue between NW 52 Street and NW 53 Street
7	NW 17 Avenue and NW 30 Street NW 17 Avenue and NW 35 Street
8	NW 7 Street near NW 38 Court
9	NW 7 Street and NW 27 Avenue NW 7 Street and NW 30 Avenue NW 7 Street and NW 37 Avenue
10	NW 22 Avenue between NW 91 Street and NW 92 Street
11	NW 22 Avenue between NW 81 Street and NW 81 Terrace
12	NW 22 Avenue and NW 79 Street
13	N Miami Avenue between N 24 Street and N 25 Street
14	E 4 Avenue between E 36 Street and E 37 Street
15	E 4 Avenue between E 33 Street and E 34 Street
16	NW 62 Street and NW 21 Avenue
17	NW 22 Avenue between NW 33 Street and NW 34 Street
18	NW 22 Avenue at NW 46 Street NW 22 Avenue at NW 54 Street
19	W 12 Avenue between W 37 Street and W 26 Street
20	SW 136 Street and SW 138 Avenue
21	NW 2 Avenue/NW 1 Place between NW 9 Street/Pedestrian Mall and NW 14 Street
22	N Miami Avenue and N 60 Street
23	W 60th Street between W 22nd Lane and W 22nd Court (Bucky Dent Park)
24	6th Street between Meridian Avenue and Euclid Avenue

# FY23 SAFE STREETS & ROADS FOR ALL GRANT

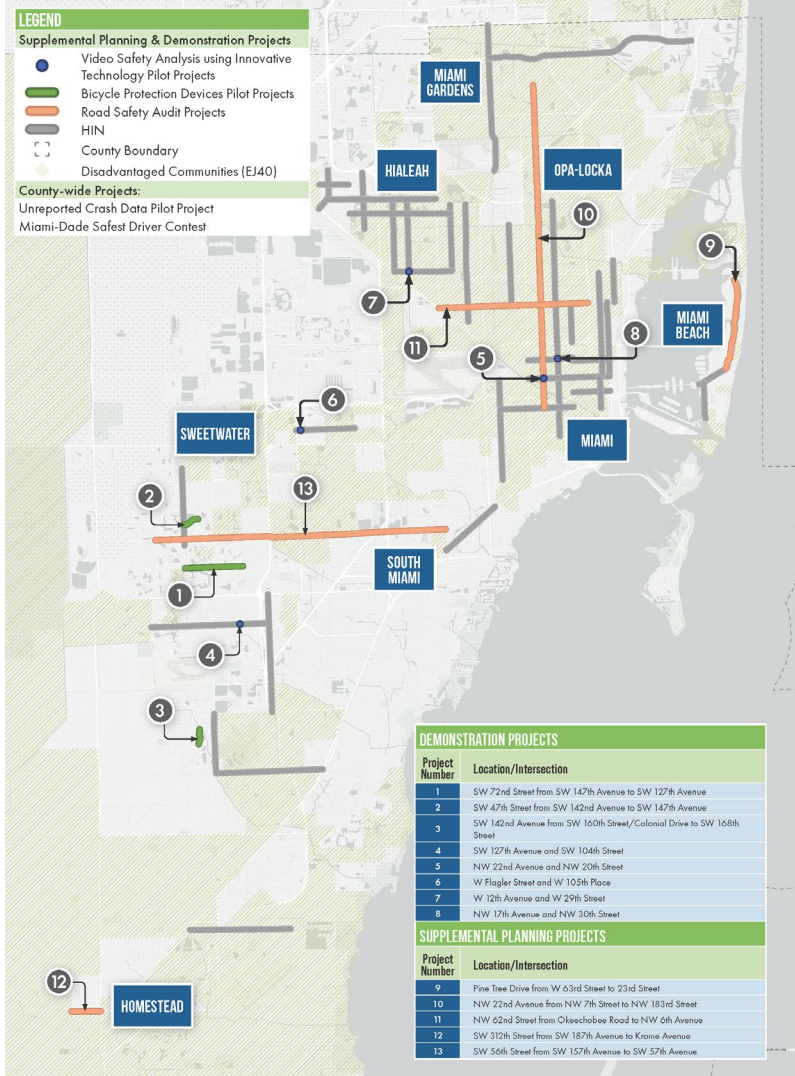
## Highlight Implementation Project

- Repurpose street parking to construct shared use path connecting future Underdeck Park with the soon-to-be-improved NW 9 Street Pedestrian Mall

NW 2 Ave./NW 1 Pl. Shared Use Path  
Proposed Typical Section



# FY23 SAFE STREETS & ROADS FOR ALL GRANT



## DEMONSTRATION PROJECTS

Project Number	Location/Intersection
1	SW 72nd Street from SW 147th Avenue to SW 127th Avenue
2	SW 47th Street from SW 142nd Avenue to SW 147th Avenue
3	SW 142nd Avenue from SW 160th Street/Colonial Drive to SW 168th Street
4	SW 127th Avenue and SW 104th Street
5	NW 22nd Avenue and NW 20th Street
6	W Flagler Street and W 105th Place
7	W 12th Avenue and W 29th Street
8	NW 17th Avenue and NW 30th Street

## SUPPLEMENTAL PLANNING PROJECTS

Project Number	Location/Intersection
9	Pine Tree Drive from W 63rd Street to 23rd Street
10	NW 22nd Avenue from NW 7th Street to NW 183rd Street
11	NW 62nd Street from Okeechobee Road to NW 6th Avenue
12	SW 312th Street from SW 187th Avenue to Krome Avenue
13	SW 56th Street from SW 157th Avenue to SW 57th Avenue

## LEGEND

### Supplemental Planning & Demonstration Projects

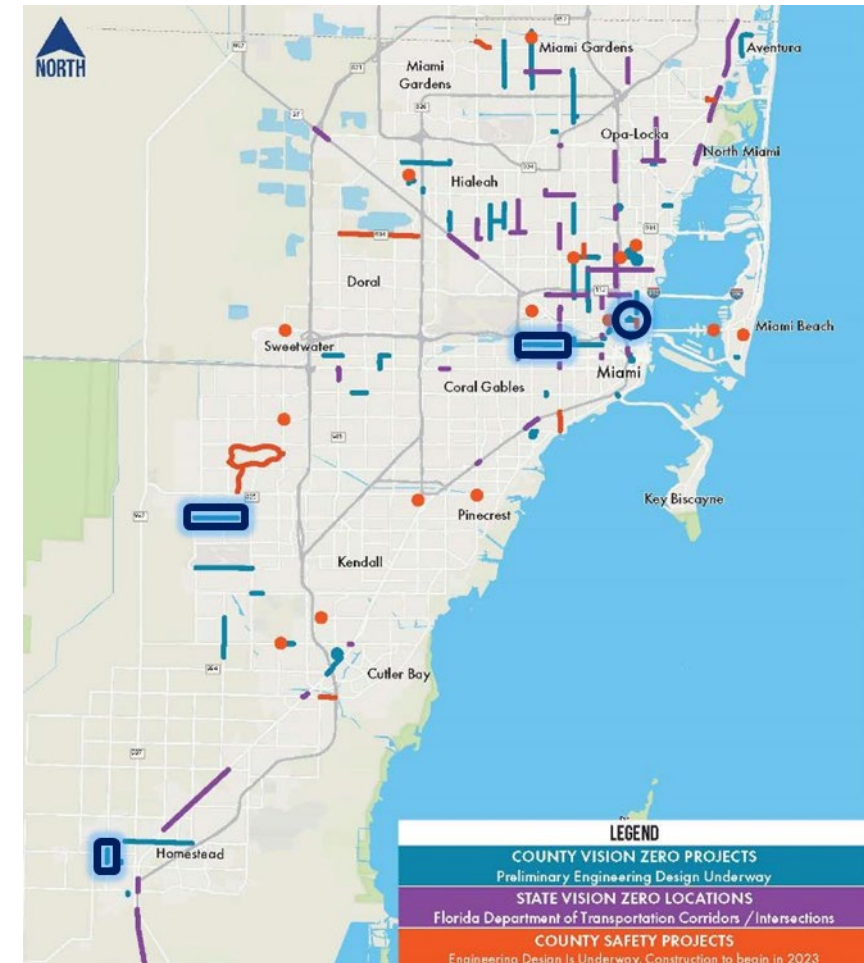
- Video Safety Analysis using Innovative Technology Pilot Projects
- Bicycle Protection Devices Pilot Projects
- Road Safety Audit Projects
- HIN
- County Boundary
- Disadvantaged Communities (EJ40)

### County-wide Projects:

- Unreported Crash Data Pilot Project
- Miami-Dade Safest Driver Contest

# HIGHWAY SAFETY IMPROVEMENT PROGRAM REQUEST

- HSIP is a core federal program that aims to reduce fatal and serious injury crashes on all roadways (state and non-state)
- HSIP is data driven and managed by FDOT
- DTPW presented 4 projects from the Top 100 locations
- FDOT Central Office is reviewing the submitted applications including state and non-state projects
- Funding approval by FDOT/FHWA will be made by Fall 2023



# 2023 ACTION PLAN UPDATE

A proactive multimodal transportation safety initiative that prioritizes **equity and data**



Builds on the **2021 Vision Zero Framework Plan's** principles and action strategies

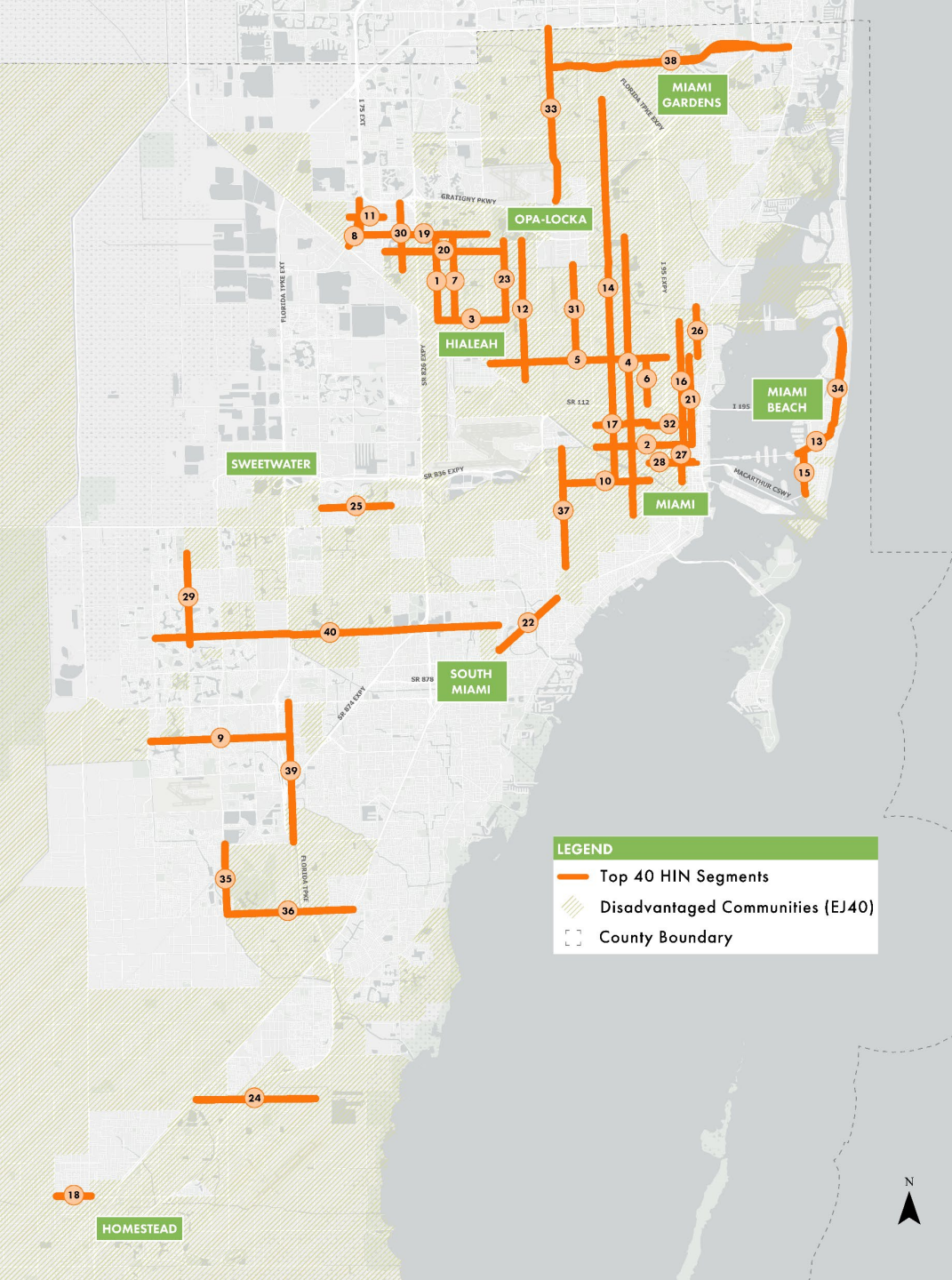


Establishes the county's **High Injury Network (HIN)** and **Key Performance Indicators (KPIs)**

# 2023 Action Plan Update

## DTPW's High Injury Network (HIN)

- 2018&2022 fatal & serious injury crashes
  - 7, 314 crashes on all roads
  - 2,505 (34%) on all County/Municipal roads
- 40 corridors account for approximately 31% of the 2,505 crashes in 1.2% of the total County/Municipal centerline miles
- 77.5% of these HIN corridors are in equity
- HIN Development Methodology:
  - Excludes FDOT roads
  - Prioritizes vulnerable road users

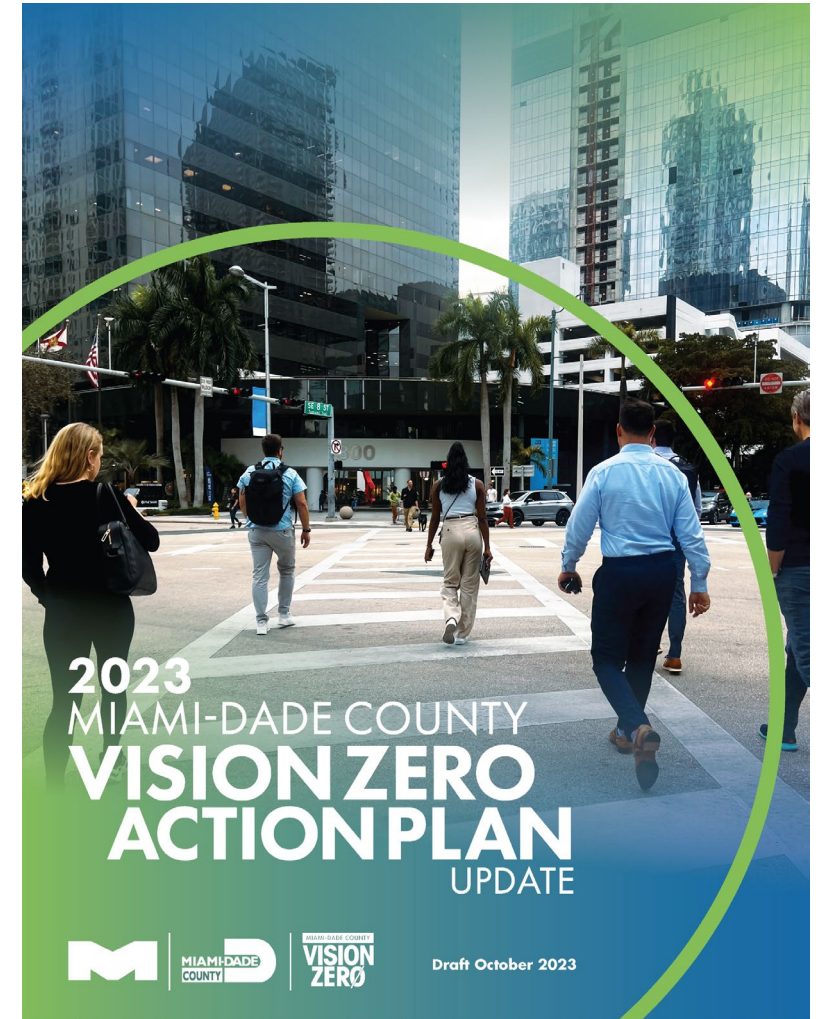




# 2023 Action Plan Update

## Next Steps

- Draft Plan under internal review
- Presented to Mayor's Office & DTPW Director
- Final 2023 Action Plan sent to municipalities and presented at a Municipal Workshop before the end of the year



# ONGOING EFFORTS

- 30% Design of 55 Top 100 Safety Problem Locations in County/Municipal roads
- Creation of a Vision Zero Dashboard
  - Will visualize different trends and crosssections in crash data
- Targeted Project Outreach and Safety Education Campaigns
  - To inform residents of new safety countermeasures in their neighborhood

**MIAMI-DADE COUNTY VISION ZERO**

**DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS (DTPW) PROJECT FACT SHEET**

NW 7th Street between NW 32nd Avenue and NW 30th Court Safety Improvements

**PROGRAM GOAL**

Miami-Dade's Vision Zero goal is to end traffic fatalities and serious injuries by 2040, while increasing safe, reliable, sustainable, and equitable mobility for all.

**PROJECT DESCRIPTION**

The segment of NW 7th Street between NW 32nd Avenue and NW 30th Court has been identified as a safety priority due to the number of fatal and serious injury crashes between 2017 and 2021. To enhance safety at this location, it was determined that a new midblock pedestrian crossing is warranted at this location and will be advanced to evaluate preliminary engineering design.

**CRASH HISTORY**

Key findings include:

- 110 total crashes reported, 4 involving bicyclist or pedestrian
- 1 fatal crash involving a car and a pedestrian in 2017
- 1 serious injury crash involving a car and a pedestrian in 2018

**PROJECT BENEFITS**

- Increase the visibility of pedestrians and bicyclists crossing at this mid-block location
- Raise awareness for pedestrians, bicyclists and motorists of potential conflict areas
- Improve pedestrian and bicycle safety by providing a designated crossing area along the corridor where there has been an observed demand.

**GET INVOLVED**

Public participation and feedback are key to our process. Your suggestions to enhance improvements in the area are welcome. You can participate by:

- Contacting Ivan Jimenez at 786-469-5078 or [Ivan.Jimenez@miamidade.gov](mailto:Ivan.Jimenez@miamidade.gov) to provide comments and receive information on the project.
- Visiting [MiamiDade.gov/VisionZero](http://MiamiDade.gov/VisionZero) to take our Community and Project Surveys.

**EXAMPLE IMPROVEMENT**

**District of Columbia Vision Zero Traffic Fatalities and Injury Crashes**

The Fatal and Injury Crashes Dashboard can be used to view trends in traffic fatalities and serious injuries that result in an injury or fatality in the District of Columbia (DC).

Adjust the Mode, Severity and Date filters to refine the results in the map. All charts will update to reflect the selected in current map view.

Data are available 2017 present and updated nightly. For more information on how data is collected on the District of Columbia's Vision Zero Dashboard, please visit <https://www.dco.dc.gov/vision-zero>.

Following a fatal crash, the District Department of Transportation (DDOT) Department of Transportation (DDOT) will conduct an investigation with the Metropolitan Police Department's (MPD) Major Crash Investigation Unit (MCIU) to determine if there are any short-term measures that can be implemented to improve safety for all roadway users. Measures including the use of bollards and bollard up will be posted here.

**Persons Injured by Mode**

Driver	214
Passenger	955
Pedestrian	293
Other	177
Bicyclist	122

**Traffic Fatalities by Mode**

Pedestrian	11
Driver	8
Passenger	6
Motorcycle	2
Bicyclist	1
Scooter	1

**Major Injuries**

51 Pedestrians
43 Passengers
12 Bicyclists
94 Drivers

**Minor Injuries**

215
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**Fatalities**

3.6k
30

**SAFETY IMPROVEMENTS LAYOUT**

MIAMI-DADE COUNTY Vision Zero Implementation Plan

Location: NW 7th St from NW 27th Ave to NW 30th Ave (Commission District 5, Project ID: 645)

# QUESTIONS & ANSWERS





THANK YOU

PAOLA BAEZ

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