

# VISION ZERO

City of Gainesville

General Policy Committee

June 22, 2017

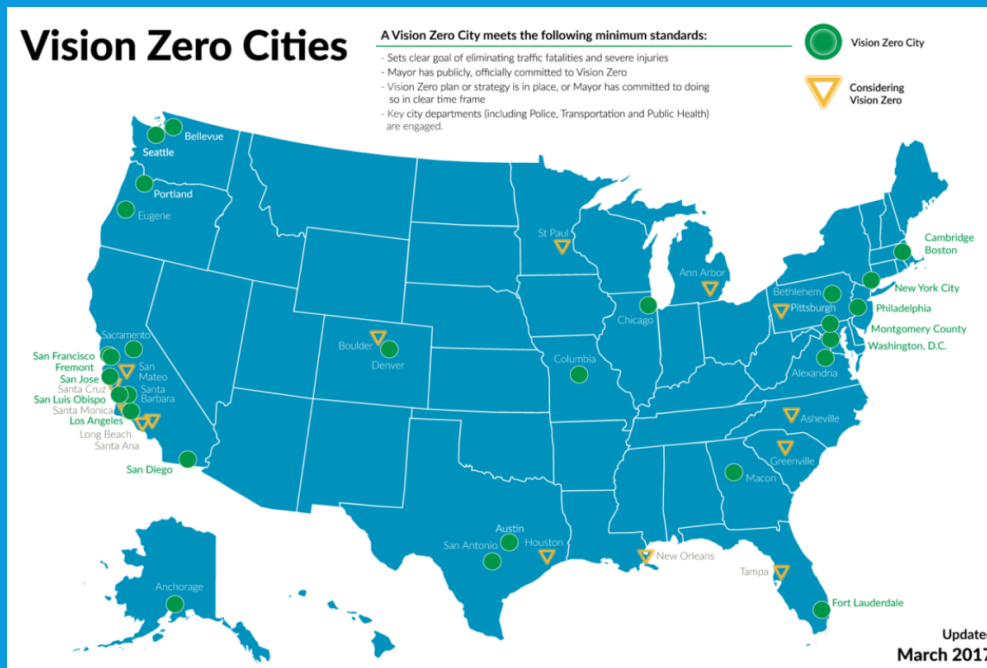
# ABOUT VISION ZERO

- Started in Sweden in the late 1990s
- Recognition that traffic deaths and severe injuries are preventable
- Proven initiatives to reduce deaths and severe injuries
- Focus on built environment, policies & technologies that influence behavior
- Involve a holistic, multi-disciplinary approach to identify problems and solutions

SOURCE:

[http://visionzeronetwork.org/wp-content/uploads/2017/01/MinimumElements\\_Final.pdf](http://visionzeronetwork.org/wp-content/uploads/2017/01/MinimumElements_Final.pdf)

# VISION ZERO IN THE USA



## Minimum standards:

- Clear goal to eliminate fatalities and severe injuries
- Mayors committed to Vision Zero
- Vision zero plan or strategy in place or commitment to develop it
- Key departments are involved (police, transportation, public health)

SOURCE:

<http://visionzeronetwork.org/resources/vision-zero-cities/>

# VISION ZERO: KEY ASPECTS

- Zero is the right number
- Equity
- Focus on engineering
- Speed management
- Strong leadership
- Safe Systems approach
- Community engagement

## TRADITIONAL THINKING

Focus on accidents  
Perfect human behavior  
Individual responsibility  
Saving lives is expensive

## VISION ZERO

Focus on fatalities & serious injuries  
Integrate the failing human in design  
Shared responsibility: system & design  
Saving lives is cheap

SOURCE:

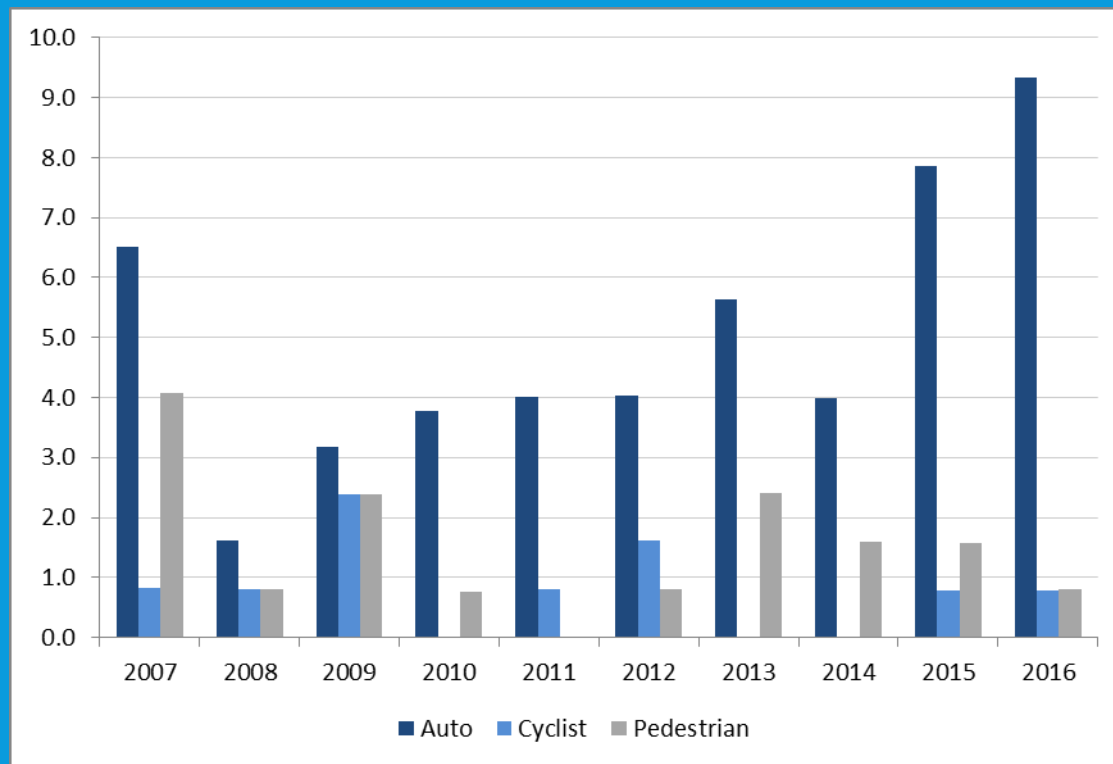
<http://visionzeronetwork.org/whats-next-lessons-from-the-2017-vision-zero-cities-conference/>

# GAINESVILLE SNAPSHOT (2007/2016)

- Total crashes in City – 36,251
- 1,458 crashes involved cyclists/pedestrians (17% severe)
- 10 cyclist fatalities/19 pedestrian fatalities
- 57 fatalities associated with all other vehicular crashes
- 35% of vehicular fatalities involved alcohol
- 50% of bike/ped fatalities occurred at intersections
- 60% of ped crashes and 52% of bike crashes occurred along major roads
- Spike in motorcycle fatalities over the last 3 years
- 81% of fatal crashes associated with aggressive driving

# GAINESVILLE SNAPSHOT (2007/2016)

## Fatalities per 100,000 population



# ON-GOING LOCAL EFFORTS

- Implementation of **complete streets**
- Implementation of **new technologies**:
  - Leading pedestrian intervals (University Ave)
  - Partnership with Microsoft & Institute of Transportation Engineers to use artificial intelligence to learn about crashes (Gainesville is one of the 16 partner agencies)
  - Automated traffic data collection & visualization
- **Enforcement & Education** (safety grant proposals by GPD\*):
  - Motorcycle safety & education\*
  - Aggressive driving & speed reduction campaign\*
  - Bike & Ped campaigns (yielding at crosswalks; jaywalking; bike laws)\*
  - Seatbelt use\*
  - Impaired drivers – education campaign\*
  - Outreach

# ON-GOING LOCAL EFFORTS: COMPLETE STREETS POLICIES

- Local policies in Comprehensive Plan and City's Design & Construction Manual support implementation of complete streets
- Policies are consistent with State & Federal policies
- Complete streets: "... *low-cost way to achieve multiple community goals: reducing crashes and injuries, supporting economic development, and encouraging multimodal travel.*"

Source: Anderson, G., Searfoss, L., Cox, A., Schilling, E., Seskin, S., & Zimmerman, C. (2015). Safer streets, stronger economies: Complete streets project outcomes from across the United States. *Institute of Transportation Engineers. ITE Journal*, 85(6), 29-36.



# ON-GOING LOCAL EFFORTS: ENGINEERING

## Sample of Completed Projects



NW 8<sup>th</sup> Ave



Depot Ave

# ON-GOING LOCAL EFFORTS: ENGINEERING

## Sample of Neighborhood Connectors



Sixth St Trail Connector



SW 2<sup>nd</sup> St Connector



SE 2<sup>nd</sup> Ave Connector



# ON-GOING LOCAL EFFORTS: ENGINEERING

## Safety enhancements



Pedestrian activated midblock crossing



Intersection treatment



Lighting enhancements

# ON-GOING LOCAL EFFORTS: PARTNERSHIPS

- **Alachua County Traffic Safety Team** – broad multi-agency composition (law enforcement, transportation, health, fire rescue, school board, MTPo staff) review of safety concerns and recommendations on proposed actions
- **University of Florida** - evaluation of safety concerns, cost sharing, project identification and implementation. Current efforts: lighting enhancements, pedestrian crossing improvements, evaluation of pilot project (i.e. one-way pair implementation at NW 17<sup>th</sup> St/NW 18<sup>th</sup> St between WUA and NW 1<sup>st</sup> Ave), campus master plan
- **Florida Department of Transportation** – funding and implementation of safety related projects

# WHAT NEXT

- Development and adoption of a Vision Zero policy
- Development of a Vision Zero Action Plan
- Identification and allocation of resources

# QUESTIONS?

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