What Is Vision Zero?
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A policy that states clearly that traffic deaths are preventable and unacceptable.

CORE PRINCIPLES:

• Human life takes priority over mobility;
• Human error is inevitable and unpredictable;
• People are inherently vulnerable and speed is a fundamental predictor of crash survival;
• Safe designs, education, and enforcement are essential contributors to a safe system.
WHEN A PERSON IS HIT BY A DRIVER AT...

20 MPH
1 out of 10 die

30 MPH
5 out of 10 die

40 MPH
9 out of 10 die

Slowing down saves lives.
Why Vision Zero in Philadelphia?

Every year, there are nearly 10,000 reported crashes on Philadelphia streets.

5-YEAR TREND:

- 2013: 80 killed / 225 severely injured
- 2014: 82 killed / 223 severely injured
- 2015: 83 killed / 250 severely injured
- 2016: 96 killed / 252 severely injured
- 2017: 78 killed / 244 severely injured

100 people are killed in traffic related crashes.
50% of killed and serious injury **crashes** occur on **only 12%** of Philadelphia streets (PennDOT, 2012 – 2016).

Queen Lane, between Fox Street and Wayne Avenue **is on Philadelphia’s High Injury Network.**
Vision Zero principles to priorities

- Evaluation/data;
- Engineering;
- Enforcement;
- Education / Engagement;
Basic elements of a roundabout

- Central Island
- Counter-Clockwise Traffic Flow
- Truck apron
- Yield Sign & Markings
- Two-Stage Pedestrian Crossing
- Splitter Island
Basic elements of a roundabout

- Split into two stages
- Pedestrian refuge area provided
- People walking only need to cross one direction of traffic at a time
- Drivers yield to pedestrians before or after navigating the roundabout
- Benefit: Allows drivers and pedestrians to focus on one task at a time and reduces the potential for crashes
Roundabouts – Safety benefits

- Traffic slows approaching roundabout
- Slower average speeds reduce severity of crashes for vehicles and people walking & biking alike
- All traffic travels in the same direction through the roundabout—and the number of potential conflict points is greatly reduced.
  - The potential for T-bone and head-on crashes is virtually eliminated.

With roundabouts, head-on and high-speed right angle collisions are virtually eliminated.
**Did you know?**

A standard 4-leg intersection has 32 potential vehicular conflict points.

A standard 4-leg roundabout has only 8.
Did you know?

Roundabouts are recognized by Federal Highways Administration (FHWA) as proven safer than stop or signal controlled intersections.

For more information: https://safety.fhwa.dot.gov/proven-countermeasures/roundabouts/

Source: FHWA
Roundabouts – Crash reduction in Pennsylvania

According to a recent evaluation by the Pennsylvania Department of Transportation (PennDOT) of (11) roundabouts across the state, it was found that roundabouts:

• Reduced fatalities and serious injuries by 100%
• Reduced injuries by 95%
• Reduced property damage-only crashes by 2%
• Reduced all crashes by 47%

Source: Bureau of Maintenance & Operations, PennDOT, 2018
OUR CITY AND OUR FAMILIES DESERVE SAFER STREETS.

Zero traffic deaths by 2030.
Thank you

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