Charlotte’s Road to Vision Zero

Transportation & Planning Committee
May 8, 2017

Presentation Outline

• What is Vision Zero
• Traffic Safety in Charlotte
• US Cities Embrace Vision Zero
• Next Steps
Objective 2.5.1

The City will implement a Vision Zero initiative by developing a comprehensive program for partnerships, engineering, education, community outreach, and possible speed and red light running enforcement.

What is Vision Zero?

Vision Zero started in Sweden
Where Traffic Deaths are Down 30%

No loss of life is acceptable
Top public officials involvement

Eliminate traffic fatalities & serious injuries

Vision Zero Plan

Key Agency Participation

Charlotte
### Crashes in Charlotte (2012-2016)

**Total Number of Crashes**

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Crashes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>15,000</td>
</tr>
<tr>
<td>2013</td>
<td>20,000</td>
</tr>
<tr>
<td>2014</td>
<td>25,000</td>
</tr>
<tr>
<td>2015</td>
<td>30,000</td>
</tr>
<tr>
<td>2016</td>
<td>35,000</td>
</tr>
</tbody>
</table>

**Crashes by Mode of Travel**

- **Vehicle**: 97%
- **Pedestrian**: 2%
- **Bicycle**: 1%

### Fatalities on Charlotte’s Streets (2012-2016)

Between 2012-2016, **238 people** were killed on Charlotte Streets. This is approximately **48 people** every year.
Fatal and Serious Injury Crashes (2012-2016)

<table>
<thead>
<tr>
<th>Year</th>
<th>Fatal Crash</th>
<th>Serious Injury Crash</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>44</td>
<td>75</td>
</tr>
<tr>
<td>2013</td>
<td>43</td>
<td>128</td>
</tr>
<tr>
<td>2014</td>
<td>39</td>
<td>113</td>
</tr>
<tr>
<td>2015</td>
<td>44</td>
<td>111</td>
</tr>
<tr>
<td>2016</td>
<td>53</td>
<td>123</td>
</tr>
</tbody>
</table>

Fatal and Serious Injury Crashes by Mode (2012-2016)

- **Crashes Resulting in Death**
  - Vehicle: 78%
  - Pedestrian: 20%
  - Bicycle: 2%

- **Serious Injury AND Fatal Crashes**
  - Vehicle: 78%
  - Pedestrian: 27%
  - Bicycle: 3%
Fatal Crashes by Race

- Caucasian
- Black
- Hispanic
- Asian
- Other

Seatbelt Use

- Fatal Crash Seatbelt Use (2012-2016)

90% Seatbelt Use in NC
Charlotte’s Safety Efforts

1. Data & Analysis
2. Engineering
3. Education
Charlotte’s Safety Efforts

2 Engineering

Eastway Drive & Sugar Creek Road

3 Education

Charlotte’s Safety Efforts

I look for bikes.

I brake for people.
Vision Zero Cities

1. Traffic deaths are preventable
2. Human life & health are prioritized
3. Human error is inevitable
4. Work should focus on system level changes
5. Speed is a major factor of crash severity
When a Person is Hit by a Vehicle At...

20 MPH 30 MPH 40 MPH
1 OUT OF 10 DIE 5 OUT OF 10 DIE 9 OUT OF 10 DIE

IN CHARLOTTE, SPEED WAS A FACTOR IN 106 FATAL CRASHES BETWEEN 2012-2016

Vision Zero In Other Cities

1 Enforcement
2 Fleet Management
3 Education
Next Steps

**Future Meetings**

- Annual Traffic Safety Report
- Vision Zero Metrics
- Charlotte’s Vision Zero Strategy